20020703.qrp v02_n605.qrl.20020703

Date: Wed, 3 Jul 2002 19:03:07 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2605

QRP-L Digest 2605

Topics covered in this issue include:

    by W2AGN <w2agn@w2agn.net>
20) [128996] Feed line info ?
    by Rick McKee <kc8aon@juno.com>
21) [128997] Re: Mounting high density SMD Chips
    by "Mike Yetsko" <myetsko@insydesw.com>
22) [128998] Sale or Trade items
    by "Ronald Davis" <RDavis24@carolina.rr.com>
23) [128999] Re: Feed line info ?
    by "Mike Yetsko" <myetsko@insydesw.com>
24) [129000] Re: software help
    by "Mark Andrews \(KE4IOF\)" <KE4IOF@ke4iof.com>
25) [129001] Re: DDS Signal Generator Update
    by Steven Weber <kd1jv@moose.ncia.net>
26) [129002] RF Voltmeter Project
    by Chuck Adams <k7qo@earthlink.net>
27) [129003] RE: Mounting high density SMD Chips
    by Conrad Weiss <radman@best.com>
28) [129004] Thanks
    by "georgekr5c" <georgekr5c@cablelynx.com>
29) [129005] RE: DDS Signal Generator Update
    by Nick Kennedy <nkennedy@tcainternet.com>
30) [129006] Tuna Tin II and VE3DNL Kits
    by "Jay Bromley" <w5jay@alltel.net>
31) [129007] List of kits for sale Update
    by "Ronald Davis" <RDavis24@carolina.rr.com>
32) [129008] Re:Single band "Transmatch"
    by NB6M@aol.com
33) [129009] AHr rating for Batteries in Parallel
    by "Bernard F. Gaffney, Jr." <n8pvz@arrl.net>
34) [129010] Re: AHr rating for Batteries in Parallel
    by "George, W5YR" <w5yr@att.net>
35) [129011] Norton AV I/O
    by Pete Burbank <plburbank@kih.net>
36) [129012] Re: DDS Signal Generator Update
    by "Bob Okas" <vintage2@earthlink.net>
37) [129013] Re: Problem with VXO, TX, birdies!
    by Bill Meara <n2cqr@clix.pt>
38) [129014] Re: DDS Signal Generator Update
    by Pete Burbank <plburbank@kih.net>
39) [129015] RE: DDS Signal Generator Update
    by Pete Burbank <plburbank@kih.net>
40) [129016] Re: End fed wires may not work in some locales (long)
    by "Karl F. Larsen" <k5di@zianet.com>
41) [129017] Re: Norton AV I/O
    by "Karl F. Larsen" <k5di@zianet.com>
42) [129018] RE: DDS Signal Generator Update
    by David Hinerman <WD8CIV@worldnet.att.net>
43) [129019] FS: LDG Z-11 and Mountain-Ops TackPack

    by "N3BJ" <N3BJ@hotmail.com>
44) [129020] RE: DDS Signal Generator Update
    by David Hinerman <WD8CIV@worldnet.att.net>
45) [129021] Eagle Printed Wiring Board Software
    by "Karl F. Larsen" <k5di@zianet.com>
46) [129022] Antenna "lingo"
    by "Karl F. Larsen" <k5di@zianet.com>
47) [129023] Re: AHr rating for Batteries in Parallel
    by John Kuklewicz N7ZN <kukl@cybrquest.com>
48) [129024] Results last night NEQRP SSB NET
    by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
49) [129025] Moving sale, part 2
    by "Hudson, Steve (RBI-US CMD)" <sdhudson@reedbusiness.com>
50) [129026] Re: AHr rating for Batteries in Parallel
    by "Mike Yetsko" <myetsko@insydesw.com>
51) [129027] Re: Antenna "lingo"
    by William R Colbert <w5xe@juno.com>
52) [129028] Re: Norton AV I/O
    by "Dave Ek" <ekdave@earthlink.net>
53) [129029] SaskHamfest 2002
    by Bruce Rattray <rattray@gpfn.sk.ca>
54) [129030] Re: Norton AV I/O
    by "Randy Randall" <randallr@healthall.com>
55) [129031] FOX - Teams
    by Bruce Rattray <rattray@gpfn.sk.ca>
56) [129032] Re: Norton AV I/O
    by "Rod N0RC" <rod@n0rc.us>
57) [129033] [OT] Red Hats, Windows, Universes
    by Chuck Carpenter <w5usj@9plus.net>
58) [129034] Re: Norton AV I/O
    by tailfeathers@juno.com
59) [129035] Summer Fox Fur Flying ....
    by "Walt Amos" <k8cv@netzero.net>
60) [129036] Four State QRP Group Wednesday Warble
    by "David Bixler" <qrp@netins.net>
61) [129037] Re: FOX - Teams
    by "Tony Parks" <robert.parks11@gte.net>
62) [129038] Re: Summer Fox Fur Flying ....
    by Dave Sjolin <sjolin@swbell.net>
63) [129039] Re: AHr rating for Batteries in Parallel
    by Ed Tanton <n4xy@earthlink.net>
64) [129040] Re: Antenna "lingo"
    by "Karl F. Larsen" <k5di@zianet.com>
65) [129041] Linux stuff here ....
    by "Walt Amos" <k8cv@netzero.net>
66) [129042] FS/T NCG 15M
    by "Brian Olson" <brolson@ties.k12.mn.us>
67) [129043] Re: AHr rating for Batteries in Parallel

by "Mike Yetsko" <myetsko@insydesw.com>
68) [129044] on Fox Sked Whine
by "Rod N0RC" <rod@n0rc.us>
69) [129045] Re: Antenna "lingo"
by Phil Wheeler <w7ox@earthlink.net>
70) [129046] Re: End fed wires may not work in some locales (long)
by "George, W5YR" <w5yr@att.net>
71) [129047] Re: on Fox Sked Whine
by "George, W5YR" <w5yr@att.net>
72) [129048] Re: Summer Fox Fur Flying .....
by W2AGN <w2agn@w2agn.net>
73) [129049] Re: Summer Fox Fur Flying .....
by "Rod N0RC" <rod@n0rc.us>
74) [129050] Re: FOX - Teams
by Bruce Rattray <rattray@gpfn.sk.ca>
75) [129051] Re: AHr rating for Batteries in Parallel
by "Walt Amos" <k8cv@netzero.net>
76) [129052] Re: AHr rating for Batteries in Parallel
by Ed Tanton <n4xy@earthlink.net>
77) [129053] Re: on Fox Sked Whine
by "Mike Malone" <mmalone@worldlogon.com>
78) [129054] RE: Artificial RF Ground NO! errr YES!!
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
79) [129055] Re: [OT] Red Hats, Windows, Universes
by "Mark Andrews (KE4IOF)" <KE4IOF@ke4iof.com>
80) [129056] Re: [OT] Red Hats, Windows, Universes
by "Mike Yetsko" <myetsko@insydesw.com>
81) [129057] Re: End fed wires may not work in some locales (long)
by "Karl F. Larsen" <k5di@zianet.com>
82) [129058] [OT] Sorry for the any email problems
by "Mark Andrews (KE4IOF)" <KE4IOF@ke4iof.com>
83) [129059] Re: [OT] Red Hats, Windows, Universes
by Phil Wheeler <w7ox@earthlink.net>
84) [129060] Re: [OT] Red Hats, Windows, Universes
by Phil Wheeler <w7ox@earthlink.net>
85) [129061] Re: [OT] email problems
by Ed Tanton <n4xy@earthlink.net>
86) [129062] Re: [OT] Red Hats, Windows, Universes
by "Ham" <k1vp@grizzy.com>
87) [129063] Re: [OT] Red Hats, Windows, Universes
by "Dave Ek" <ekdave@earthlink.net>
88) [129064] Re batteries
by Pete Burbank <plburbank@kih.net>
89) [129065] QRP Hammers
by "Tracy Markham" <tracy@bytemark.com>
90) [129066] Re: QRP Hammers
by "Mike Malone" <mmalone@worldlogon.com>
91) [129067] Re: Linux stuff here .....

Date: Tue, 2 Jul 2002 18:37:48 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Gary Lee" <kb9zuv@arrl.net>
Cc: <qrp-l@lehigh.edu>
Subject: [128977] hotel room antennas
Message-ID: <01c801c22221$7988f880$4e100a0a@rohredt2000>

Gary,
Your failure was not lack of a ground! A dipole is completely balanced antenna and does not need a ground. But, it must be clear of metal in window sill or in building walls. Likely that was your failure, and band conditions of late have not been great either.
Try it diagonally in window, and that will keep high current feed point away from window frame. Bring ends out in Z fashion, but at right angles to window frame, if possible.

GL, 72,
Stuart K5KVH

Date: Tue, 2 Jul 2002 19:49:05 -0700

From: "stan mcintosh" <mcintosh@triad.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [128978] DeMaw Design Notebook Cover & 2 OT Xtions
Message-ID: <001701c2223c$32736280$410ba318@triad.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

1) Anyone else occasionally ponder the receiver circuit board pictured on the cover of DeMaw's Design Notebook? Based on the featured components, it looks interesting.

2) We have a problem with two recent videotapes of our children. Apparently, our camcorder was going south when we recorded the tapes, and we have since had it repaired. These two tapes were recorded when something was dragging in the tape mechanism. Anyone know of a way to conveniently play back 8 mm tapes with altered speeds/tracking just to allow for recording on a unit that is in good working order?

3) Just finished a totally rotten transmitter and one of the world's worst direct-conversion receivers... on purpose! My son wanted a metal detector, so I made a VXO with 4 turns of wire around an electrical tape plastic box as the inductor. The receiver is a single-transistor mixer with an LM386. The metal detector works surprisingly well. Now, I gotta get to Home Depot for some PVC to make a case.

Later es 72
stan

Date: Tue, 2 Jul 2002 20:12:11 EDT
From: Hiloarc@aol.com
To: qrp-l@lehigh.edu
Subject: [128979] Re:%20ARS%20Spartan%20Sprint%20Tonight
Message-ID: <a2.27f2cad7.2a539b5b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Mike, you also had a very good 1-Watt signal into
Hawaii Monday night during the Spartan Sprint.

Paul AA4XX with his 50 mW also made it to Hawaii.

72, Aloha! Dean K H 6 B

kh6b@arrl.net

Date: Tue, 02 Jul 2002 18:08:20 -0500
From: "George, W5YR" <w5yr@att.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [128980] Re: End fed wires may not work in some locales (long)
Message-ID: <3D223264.536E0B6A@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Karl F. Larsen" wrote:
>
> On Tue, 2 Jul 2002, Stuart Rohre wrote:
>
> > Karl,
> > What is the context of good? Yes, my 400 foot long wire, pointed to the
> > empty Indian Ocean, would have worked "good" for a ship borne station out
> > there, but there were none, and no hams and no islands out there to hear me.
> > It was too directional for general use.
>
> I agree. On 40 meters and up it's a long wire which is directional to
> some degree. Much better it be 88 feet long so it would act as a dipole
> on all frequencies 80 through 10 meters.
>

Actually, an 88 ft center-fed dipole is a 20-meter Extended Double Zepp. It has a dipole, two-lobed, broadside pattern on 80 through 12 meters, but on 10 meters it takes on a four-lobed broadside pattern.

On 20, the gain is about 3 db compared with a 20-meter dipole in the same location. On 10 meters, each lobe of the four has more gain than a 10-meter dipole would have in each of its two lobes.

I am an enthusiastic EDZ user. I presently have two 20's at right angles fed with the same ladderline lengths so that tuning is the same for each. I have used a 40 EDZ with good success on 40 meters with tuning capability on 160 - 10, although it loses the two-lobed pattern on 20 meters and above.

A 44 ft dipole is a 10 meter EDZ showing 3 dB gain there and usable from 40 - 10 and probably even 6 meters - don't know.

The EDZ shows slight gain on the bands below its design frequency due to

its additional length, but the gain is small.

Nifty antennas . . .and real Fox Gitters!! <:}

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Date: Tue, 2 Jul 2002 20:16:12 -0400
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-l@lehigh.edu>
Subject: [128981] [Fox] N4DD Fox Announcement
Message-ID: <001201c22226$d80fa200$68f3e4ce@computer>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good Evening All,

I am one of your illustrious Foxes for Thursday evening July 4. The other fox
wanted 14.061 - 14-063, so I plan to set up shop in the vicinity of 14.055. I will
work stations above my transmit frequency beginning around 14.056. These
preliminary frequencies are subject to change based upon QRM. I have never
been involved with the 20 meter fox hunts, so if there is some reason why
I should not operate here, one of the hunt managers can let me know.

The equipment will be a Tentec Omni VI+ that is loaded with crystal filters. I
plan to utilize three antennas for the festivities, if time allows me to get them
completed. The KT34XA at 60 feet will go to the west. The TA33 at 25 feet
will go to the north, and I hope to get a 20 meter loop in the air to take care of
the rest of you guys. Normally, I can hear a knat breathing. I hope that holds
true for Thursday night.

My information will be: 559 TN Dennis 5w

So, come one, come all. Let's bask ourselves in the fun of fox hunting.

I'll be
loaded for bear. That should be more than sufficient for you wily old
hounds!!
Let the hunt begin.

Very 72/73,

Dennis "The Tennessee Fox"

Date: Tue, 2 Jul 2002 18:20:40 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [128982] FOX: Announce N0RC **The Star Spangled Fox**
Message-ID: <000501c22227$776e4720$6601a8c0@BIGDOG>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Oho say can you work, N0RC Fri morn'
on or about 14061+, starting at 0200 zulu.
I'll be split up, so on my TX freq don't transmit
O'er the pack I shall roam, so emphatically screaming
And the CW's loud blare, from antennas high in the air
will give proof through the night, that the hounds are still there
O say, this fox will CQ for 2 hours
For the hounds seeking me, before QRT

Let be summarize:

N0RC the FOX, FRI 05-Jul-2002 0200-0400 UTC, 14061+/- UP

That's THUR night US time zones. Here is a link with times and dates
around the world:

http://www.timeanddate.com/worldclock/fixedtime.html?year=2002&mon=7&d
ay=5&hour=2&min=0&sec=0

BTW: Listen for Yankee Doodle 'DD, Dennis N4DD around 14054+/- UP

73, Rod N0RC *** The Star Spangled Fox ***

Date: Tue, 2 Jul 2002 20:33:47 -0400
From: "N3BJ" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128983] FS: LDG Z-11 Tuner with TacPac
Message-ID: <OE73DcYAiG6HSpfoTiQ00003abc@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale: LDG Z-11 tuner and TacPac for tuner and FT-817 combo. Also
included are the right angle connectors/jumper to connect the tuner and rig.
Works FB, minor scratch on top of tuner.

Trades considered.

$180 shipped

Alan, N3BJ
Bent Mountain, VA

Date: Tue, 2 Jul 2002 20:19:31 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128984] Re: Manhattan IC Pad Fabrication Cheap
Message-ID: <015601c22229$86e12220$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Did you ever hang around long enough to get that whole message? QSL.net has
to have the most elaborate, and funniest, 404 anywhere.

72/73 de WB8RCR   http://www.qsl.net/wb8rcr
didileydadidah   QRP-L #1446 Code Warriors #35

----- Original Message -----
From: "Pederson, Glenn" <gpeder@elnet.com>
Subject: Re: Manhattan IC Pad Fabrication Cheap

> Is it just me or is Chuck's web site at

> http://www.qsl.net/k7qo/icmkr.html down? I receive "Error 404
> Requested Web Page Not Found."

Date: Tue, 2 Jul 2002 17:39:32 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <rod@n0rc.us>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128985] Re: Announce N0RC **The Star Spangled Fox**
Message-ID: <003901c2222a$19be06d0$6392b2d1@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Rod and all,

Since we blew off last weeks hunt, why not wait until the week after the 4th. I'm sure that a lot of us have family obligations that are going to prevent us getting on the air, so it just seems to make sense to delay it 1 more week since we've already pushed it back. Besides, I'd really like a chance to work Rod on 20 Meters. What say y'all?

73's Trev KG6CYN
http://home.earthlink.net/~kg6cyn
http://www.qsl.net/kg6cyn
----- Original Message -----
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, July 02, 2002 5:20 PM
Subject: FOX: Announce N0RC **The Star Spangled Fox**

> Oho say can you work, N0RC Fri morn'
> on or about 14061+, starting at 0200 zulu.
> I'll be split up, so on my TX freq don't transmit
> O'er the pack I shall roam, so emphatically screaming
> And the CW's loud blare, from antennas high in the air
> will give proof through the night, that the hounds are still there
> O say, this fox will CQ for 2 hours
> For the hounds seeking me, before QRT
>
> Let be summarize:
>
> N0RC the FOX, FRI 05-Jul-2002 0200-0400 UTC, 14061+/- UP
>

> That's THUR night US time zones. Here is a link with times and dates
> around the world:
>
> http://www.timeanddate.com/worldclock/fixedtime.html?year=2002&mon=7&d
> ay=5&hour=2&min=0&sec=0
>
> BTW: Listen for Yankee Doodle 'DD, Dennis N4DD around 14054+/- UP
>
> 73, Rod N0RC *** The Star Spangled Fox ***
>
>
>
>

Date: Tue, 02 Jul 2002 19:01:01 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Cc: TomA@xetron.com
Subject: [128986] Re: Single band "Transmatch"
Message-ID: <5.1.1.6.0.20020702185033.00a05ec0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Tom,

There is a small 40M transmatch in Solid State Design, page 166.

It's a T-match with a resistive bridge. It may meet your needs.

de Dave, NF0R   nf0r@slacc.com

At 04:48 PM 7/2/02 -0400, you wrote:
>Has anyone experimented with single band antenna tuners?

Date: Tue, 2 Jul 2002 21:14:26 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128987] Re: Announce N0RC **The Star Spangled Fox**

Message-ID: <001a01c2222e$f9d94140$39d81b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I concur with Trev...

If we are changing the rules in the middle of the game,
lets start AFTER July 4th

-Diz, W8DIZ

----- Original Message -----
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, July 02, 2002 8:39 PM
Subject: Re: Announce N0RC **The Star Spangled Fox**

Hi Rod and all,

Since we blew off last weeks hunt, why not wait until the week after the 4th. I'm sure that a lot of us have family obligations that are going to prevent us getting on the air, so it just seems to make sense to delay it 1 more week since we've already pushed it back. Besides, I'd really like a chance to work Rod on 20 Meters. What say y'all?

73's Trev KG6CYN

Date: Tue, 2 Jul 2002 18:15:27 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
        <alihernlem@hotmail.com>
Subject: [128988] Mounting high density SMD Chips
Message-ID: <007501c2222f$1e574bc0$6392b2d1@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Brad and all,

Tom NU8D does it almost exactly the way I do. I use a VERY small tip on my

Weller for this job. To mount the AD9850 on the PCB, I first lay down some liquid flux over the pads on the PCB (BTW The IC's are the first things I mount due to cleaning after) where the IC is to be mounted. I then place the IC over the pads and line it up using toothpicks to prod it in place, and then to hold it in place in the center of the IC. As Tom said tacking the four corner pins is generally the way I mount the chip as well, and then tack the rest of the pins down. Most of the time no solder is needed if there is sufficient tinning on the PCB already. The exception to this is if your PCB is not tinned. In this case, before you mount the chip, tin the pads and pull the excess solder of with solder wick. Then perform the above procedure.After the chip is mounted use some 90% or better Isopropyl Alcohol and a soft acid brush (or small paint brush) to clean off the excess flux. Hope this helps

73's Trev KG6CYN

Date: Tue, 2 Jul 2002 21:24:16 EDT
From: N4SKS@cs.com
To: qrp-l@lehigh.edu
Subject: [128989] software help
Message-ID: <9e.28be8e25.2a53ac40@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have had a hard drive crash and had to replace it. I need to beg , borrow or steal the required disk (or CD) to reboot the new hard drive with DOS and windows 95 if possible . I know that isn't the latest and greatest but i'm used to it. Willing to pay a fair price.
thank You Les K4NK

Date: Tue, 2 Jul 2002 21:27:01 EDT
From: N4SKS@cs.com
To: qrp-l@lehigh.edu
Subject: [128990] FS hw-8 and TT1340
Message-ID: <72.1ebaa825.2a53ace5@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have a ten tec 1340 in good condx. for $80 shipped also a HW-8 very nice shape
for $100 shipped both with manuals . Inquire direct. Thank You

Les K4NK

Date: Tue, 2 Jul 2002 18:34:53 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <k7qo@earthlink.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128991] Re: DDS Signal Generator Update
Message-ID: <001501c22231$d5511d40$e412f4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chuck and All,

Talked to Dave WD4PLI/6 today and mentioned this subjuct. Now Dave and I never did record the screen shots of the output of the Signal Generator on the HP Spectrum Analyzer, and I'm now regretting that, as I could have easily posted the data on the web site. Here's what I propose: you guys discuss it and pick 10 frequencies that you want me to record screen shots for and let me also know what type of measurements (Phase Noise etc...) that you'd like us to make as well, per frequency. I'm not sure how soon we can get some time on the analyzer, but it shouldn't take too long. The other suggestion I had was for me to send the Signal Generator to Chuck and let him analyze it. Would be fun to see how that came out! I'd post the results on my web site. Chuck, let me know if that interrests you.

73's Trev KG6CYN
----- Original Message -----
From: Chuck Adams <k7qo@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, July 02, 2002 3:02 PM
Subject: Re: DDS Signal Generator Update

> At 02:25 AM 7/2/02 -0700, Trevor Jacobs wrote:
> >Hey Gang,
> >
> >I added a download at the bottom of the DDS Signal Generator page.
It's a
> >ZIP file that contains JPG's of the schematics and PCB layouts,
firmware,
> >and a complete parts list.
> >

> >73's Trev KG6CYN
> >http://home.earthlink.net/~kg6cyn
>
>
> Trev et.al.,
>
> I use an S&S Engineering DDS VFO that I bought at
> Dayton many years ago for a signal generator. It works
> well and I would not part with it as it is a valuable piece
> of test equipment in the lab.
>
> But it would be worth a posting or an article by some one
> else to show the spectrum output of same or any DDS signal
> generator. I had the S&S DDS on a Tektronix high dollar
> spectrum analyzer and when you tune the critter to the
> upper 30% or so of the output range you start to get
> some really bad aliasing (not sure if this is the right
> digital term to use), i.e. the mixing of the internal frequency
> standard starts to generate bad spurs and bands of unwanted
> frequencies. This is not a bad design critique of the S&S
> DDS VFO. It is just a side effect/affect of the technology in
general.
>
> I know the DDS is usually used for a specific range and filtered,
> but there may be some individuals that haven't seen the output
> as a function of range. I know there are a large number of
> individuals with surplus spectrum analyzers that could help
> by taking some time to do this.
>
> Thanks in advance,
>
> dit dit
>
>
> Chuck Adams, K7QO CP-60 k7qo@earthlink.net
> http://www.qsl.net/k7qo
>
> Moving to Arizona? --- Bring your own water, please.
>

Date: Tue, 2 Jul 2002 18:43:27 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <alihernlem@hotmail.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128992] Re: DDS Signal Generator Update

Message-ID: <003501c22233$078490c0$e412f4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Brad,

Also, I meant to mention that most of the frequency spurs are caused by the DAC. When the DAC changes levels you get some ringing on the trailing edge and this causes errors (frequency spurs). As time goes on and we see higher resolution DACs, this effect will lessen. It's not that bad though, depending on the required bandwidth and performance specs required.

73s Trev KG6CYN
----- Original Message -----
From: Brad Hernlem <alihernlem@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, July 02, 2002 9:33 AM
Subject: Re: DDS Signal Generator Update

> Chuck, Trevor and friends,
>
> As it happens I am also in the final stages of putting
> together a DDS signal generator and am quite interested in
> these discussions. What I have is a Qualcomm DDS demo board,
> which is a stand-alone signal generator in its own right.
> However, I built a circuit and programmed a PIC to take
> frequency data entry from a keypad, display it on an LCD
> display and output the data to the DDS board and control its
> output frequency. The Qualcomm chip, unlike Trevor's AD chip,
> uses parallel data entry and then only uses 23 bits which
> means that the frequency step size is a relatively "coarse"
> 2Hz. Also, it uses an outboard DAC. A while back I got a couple
> AD9835 chips but haven't gotten up the nerve to solder those
> fine pin spaced critters.
>
> To Trevor, what advice do you have for soldering these ultra-
> diminutive parts? I am getting a bit more courage to give it
> a go. The shift register board that I made to interface between
> the DDS board and PIC board used a plethora of 12 mil traces
> packed densely and routed through the many pads of the 40-pin
> ribbon cable connector. I only had one faulty trace on that
> board ... and it was made using my cheapo glossy paper toner
> transfer technique. I am pretty sure, now that I can homebrew
> boards to take these little parts but soldering them down is

> another goal entirely.
>
> As to Chuck's question, could someone explain what are the
> technical limitations and causes of the various spurious emissions?
> It is amazing that one can still get a sine wave with only a few
> points per cycle but I suppose that is the power of the output
> filter to keep the cycle going smoothly. I don't have a spectrum
> analyzer and can only judge the output purity by O-scope trace
> and perhaps listening for spurs on a receiver. I am wondering,
> are there some mathematically determined points in the tuning
> range that one can predict will be most "spurious"? I am thinking,
> for example, that there is a difference between a case where the
> phase increment is an integral part of 360 degrees and the case where
> it is not (e.g. 45 degrees versus 46 degrees, and others). In the
> first case, the points along the sine wave will always repeat at the
> same angular positions whereas in the latter case they will not
> repeat, or not as often. Does the frequency of this repetition
> have any bearing on the spurious behavior?
>
> Regards,
>
> Brad KG6IOE
>
>
>
>
>
>
> _____
> Send and receive Hotmail on your mobile device: http://mobile.msn.com
>

Date: Tue, 2 Jul 2002 18:52:58 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128993] Would like to christen new rig
Message-ID: <003901c22234$5c17c2a0$0b02a8c0@trabucoserver>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Finished my SW-20+ a few days ago .. still looking for a QSO to christen it.
Any takers, around the 10wpm mark?
QTH = Southern CA.

73,

--ian, k3imw/6

Date: Tue, 2 Jul 2002 19:41:26 -0600 (MDT)
From: <brad.mugleston@attbi.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [128994] COAX question
Message-ID: <Pine.LNX.4.33.0207021936470.2553-100000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

MCM Electronics has what they call a SlimLine Coupler - it's a flat coax looking cable about 10 inches long. It's designed for running coax through a closed window - It would be perfect for what I'm trying to do (avoid putting a hole in the wall).

Question - will it work as a transmitting cable at QRP levels? How about higher (maybe 50 watts)?

It's probably 75 ohm, would that short run make much difference in the signal strength etc?

Thanks

de KI0OT, Brad

Date: Tue, 02 Jul 2002 22:03:40 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [128995] Re: Announce N0RC **The Star Spangled Fox**
Message-ID: <3D22233C.26216.188AAA5@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 2 Jul 2002 at 17:39, Trevor Jacobs wrote:

> Hi Rod and all,
>
> Since we blew off last weeks hunt, why not wait until the week after the
> 4th. I'm sure that a lot of us have family obligations that are going to
> prevent us getting on the air, so it just seems to make sense to delay it 1
> more week since we've already pushed it back. Besides, I'd really like a
> chance to work Rod on 20 Meters. What say y'all?

Wait a minute, that week I was planning on going fishing early Friday morning, so let's bump it back another week.....unless someone else has plans then?

--

  _   _   _   _   _
 / \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) http://www.w2agn.net
 _/ _/ _/ _/ _/ ARCI, NJQRP, ARQrp,GQRP,RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Tue, 2 Jul 2002 22:15:05 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [128996] Feed line info ?
Message-ID: <20020702.221726.8606.0.kc8aon@juno.com>

Anyone on the list ever use telephone drop wire for a Feed line ? This stuff is a balanced / zip cord basically that has approx a 3/8" spacing of what looks like 18ga copper clad all sealed up in a very tough black insulating jacket with a grove down the center on both sides to help separate the 2 conductors. It's the line used to connect your home phone line to the utility pole. What I would basically be looking for is the impedance and velocity factor of this stuff. I was thinking of splitting apart 51 feet of the stuff and installing a center insulator and then using the rest to make a feed line section to make a G5RV out of it and need to know the velocity factor of it to be able to figure the matching section length. If it works out ok, it would make a very durable field expedient antenna as this line is made to endure the elements ! I was given about 300 feet of it and if feasable was gonna make up a few antennas to keep for the camp, behind the seat of my 4WD truck, in the field day kit etc etc..... WhadaYa'll think ?

   Rick McKee, KC8AON
     Willow Wood, Ohio

QRP - Do more with less !

Date: Tue, 2 Jul 2002 22:29:24 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kg6cyn@earthlink.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128997] Re: Mounting high density SMD Chips
Message-ID: <003701c22239$73ca1920$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Contact East USED to carry (don't know if they still do) some aftermarket tips for the Wellers. I picked up a couple of 1/64th in chissel tips (that's 1/64" WIDE!) for my WTCP station a couple of years ago. It's great for the 100+ pin surface mount stuff.

Yes, were talking almost soldering needles here.

Mike

> Hi Brad and all,
>
> Tom NU8D does it almost exactly the way I do. I use a VERY small tip on my
> Weller for this job. To mount the AD9850 on the PCB, I first lay down some
> liquid flux over the pads on the PCB (BTW The IC's are the first things I
> mount due to cleaning after) where the IC is to be mounted. I then place the
> IC over the pads and line it up using toothpicks to prod it in place, and
> then to hold it in place in the center of the IC. As Tom said tacking the
> four corner pins is generally the way I mount the chip as well, and then
> tack the rest of the pins down. Most of the time no solder is needed if
> there is sufficient tinning on the PCB already. The exception to this is if

> your PCB is not tinned. In this case, before you mount the chip, tin the
> pads and pull the excess solder of with solder wick. Then perform the
above
> procedure.After the chip is mounted use some 90% or better Isopropyl
Alcohol
> and a soft acid brush (or small paint brush) to clean off the excess
flux.
> Hope this helps
>
> 73's Trev KG6CYN
>
>

Date: Tue, 2 Jul 2002 21:51:54 -0400
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [128998] Sale or Trade items
Message-ID: <000001c2223a$5344f1b0$a13e4a18@your318ruqz03z>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello
Will sale or trade the items below. Please email direct with any questions.
Ten Tec Pegasus with remote knob, 963 PS, Buxcomm PSK31 adapter and AT-11MP
Autotuner $1100
SST 40 meter QRP Rig with KC1 Keyer $75
OHR-100 in 30 Meters $100
Ten Tec 509 parts rig, not working, has serious problem, good case and knobs
and parts rig best offer?
Ten Tec 208 CW filter $40
Ten Tec 210 PS $40
Several straight keys for sale, email for list and prices of keys.
Ten Tec 1320 QRP rig $50
Sierra with 5 band modules and KC2 display/keyer favorite rig call if
interested?
Hammarlund 170A with clock and speaker $250
Several unbuilt older QRP kits from a list member that was selling out,
email for list and prices of kits.
Several QRP type enclosures, tins, altoid boxes, perfect for projects email
for list and prices.
Norcal 20 non working rig best offer?
Yaesu FT301AD with FV301 remote VFO $250 rig does not work in CW mode works

fine in SSB and a list member is looking at it but has not been fixed yet? Email if interested.

Selling to purchase new Ten Tec QRP Rig that is coming out in August. Will trade any item or items towards Collins R-390A, Collins KWM-2A, Corsair II, Omni V, Omni VI+ or FT-1000D and I will pay the difference.

Email with questions, prices do not include shipping and items are sold as is.

Thanks
Ronnie
KE4VPN

Date: Tue, 2 Jul 2002 22:31:53 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kc8aon@juno.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128999] Re: Feed line info ?
Message-ID: <004501c22239$cc3faac0$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If I remember... the capacitance is fairly high. But I may be wrong on that. I have a couple of hundred feet of it somewhere, but I never thought
to use it for feedline. If I need something 'like' that, I just use 300 ohm
twinlead. It's a 'known' and it's cheap.

Mike

----- Original Message -----
From: "Rick McKee" <kc8aon@juno.com>

> Anyone on the list ever use telephone drop wire for a Feed line ? This
> stuff is a balanced / zip cord basically that has approx a 3/8" spacing
> of what looks like 18ga copper clad all sealed up in a very tough black
> insulating jacket with a grove down the center on both sides to help
> separate the 2 conductors. It's the line used to connect your home phone
> line to the utility pole. What I would basically be looking for is the

> impedance and velocity factor of this stuff. I was thinking of
splitting
> apart 51 feet of the stuff and installing a center insulator and then
> using the rest to make a feed line section to make a G5RV out of it and
> need to know the velocity factor of it to be able to figure the matching
> section length. If it works out ok, it would make a very durable field
> expedient antenna as this line is made to endure the elements ! I was
> given about 300 feet of it and if feasable was gonna make up a few
> antennas to keep for the camp, behind the seat of my 4WD truck, in the
> field day kit etc etc..... WhadaYa'll think ?
>
>   Rick McKee, KC8AON

Date: Tue, 2 Jul 2002 21:38:25 -0500
From: "Mark Andrews \(KE4IOF\)" <KE4IOF@ke4iof.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129000] Re: software help
Message-ID: <001d01c2223a$bda7e620$0200a8c0@carrera>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Why don't you make the switch to Linux? Get a recent major distribution like
RedHat or Mandrake (or SuSE) and make a clean break...

Mark

Mark A. Andrews, KE4IOF
QRP-L 146, QRP-ARCI 10574, QRPp-I 217

----- Original Message -----
From: <N4SKS@cs.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, July 02, 2002 8:24 PM
Subject: software help

>   I have had a hard drive crash and had to replace it. I need to beg ,
borrow
> or steal the required disk (or CD) to reboot the new hard drive with DOS
and
> windows 95 if possible . I know that isn't the latest and greatest but i'm

> used to it. Willing to pay a fair price.
>   thank You Les K4NK

Date: Tue, 02 Jul 2002 23:04:02 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [129001] Re: DDS Signal Generator Update
Message-ID: <3.0.6.32.20020702230402.007b5c00@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>Also, I meant to mention that most of the frequency spurs are caused by
>the DAC. When the DAC changes levels you get some ringing on the
>trailing edge and this causes errors (frequency spurs). As time goes on

Actually, a big problem with the DAC's is something called "glitch energy".
A small charge is transfered to the output of the DAC when it's output
state changes and often comes from a latch built into the DAC. The higher
the frequency output, the more often the DAC changes state and the more
glitch energy is transfered onto the output. Also, the number of bits used
in the DAC has a direct bearing on the amount and level of spurs generated.
More bits = better output.

One reason DDS got a bad name was the use of 8 bit video DAC's for the D/A
conversion in early designs, such as the CA3338 often used with the Harris
HSPA5102 DDS controler chip. The AD 98xx series intergrated DDS chips with
10 bit DAC's specificly designed for DDS outputing are sigificantly better.
Of course thier not perfict, but I belive the advantages outway the
disadvantages in most cases.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
http://www.qsl.net/kd1jv/

Date: Wed, 03 Jul 2002 11:15:35 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [129002] RF Voltmeter Project
Message-ID: <5.1.0.14.0.20020703110544.009fd410@mail.earthlink.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Until I get a section written up on diodes and RF probes, the discussion on RF Voltmeters will be a few days in the making.

In the meantime I have some photos on the E100 page. The first 3 are the most recent. Interesting experiment. I had two 10W Halogen desk lamps, but the color was off. Got two 20W lamps today at Target for $10 each and they work great, so I can do color photos where appropriate although they do tend to get large. I'll experiment with a lower resolution as see what happens. Working with a new digital camera is a lot of fun but a lot of time to explore all the features.

I built up the RF Voltmeter from the July 1989 issue of Ham Radio Magazine from the article by John Pivnichny, N2DCH. If the name looks familiar it's because he is the author of the MFJ book "Ladder Crystal Filters" and a picture of the voltmeter is on page 19, but he doesn't show the schematics in the book. Bummer IMHO. Would have speeded up things a lot.

If you have 1024x768 or higher resolution on your monitor when you look at one of the screens you should be able to read the schematic. The schematic shows how I highlight areas as I build using ANY building scheme.

I'll work on another version using video chips or whatever people are using for IF amps now and I'll have a 2N2222 version by next week.

If you do any crystal matching and you don't own a scope then you just gotta have one of these puppies. It will make life so much more simple for you.....

FYI,

dit dit

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
http://www.qsl.net/k7qo

Moving to Arizona? --- Bring your own water, please.

Date: Tue, 2 Jul 2002 20:16:06 -0700
From: Conrad Weiss <radman@best.com>
To: "'Trevor Jacobs'" <kg6cyn@earthlink.net>,
        Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129003] RE: Mounting high density SMD Chips
Message-ID: <01C22205.4C828C00@209-162-48-220.thegrid.net>

Trev & the gang,

If you're using the Weller WTCP(T) station, there's a very wide array of fine pitch tips available. One of the best selections is found at Wassco, and they have all of the tip dimensions at the following URL: http://www.wassco.com/wel700ptsers.html

Their little "PTJ Screwdriver Tip" had a tip width of 0.010" !! (cost: $5.50) That's about the thickness of two sheets of Xerox copy paper! So, now the game becomes seeing what you're doing ;)! As others have noted, the use of a low power binocular microscope is a real joy. If you ever see one 'round the swaps or ham fests, go for it you can.

Best,

Conrad Weiss
NN6CW   ......not a rep for Wassco... just trying to see what I'm soldering ;)!

From: Trevor Jacobs[SMTP:kg6cyn@earthlink.net]
Sent: Tuesday, July 02, 2002 6:15 PM
To: Low Power Amateur Radio Discussion
Subject: Mounting high density SMD Chips

Hi Brad and all,

Tom NU8D does it almost exactly the way I do. I use a VERY small tip on my Weller for this job. To mount the AD9850 on the PCB, I first lay down some liquid flux over the pads on the PCB (BTW The IC's are the first things I mount due to cleaning after) where the IC is to be mounted.

///snip///

Date: Tue, 2 Jul 2002 22:24:43 -0500
From: "georgekr5c" <georgekr5c@cablelynx.com>
To: <qrp-l@lehigh.edu>
Subject: [129004] Thanks
Message-ID: <002101c22241$2c6f3760$af08cc18@lee>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="Windows-1252"
Content-Transfer-Encoding: 7bit

My thanks to all who responded to my request for information on the cable and associated plug I described coming from the Dauphin keyboard.

Eventually found that a PS/2 extender cable was just what I needed. It mated with the keyboard and when the interface was finished it plugged right into the interface.

Applied power and sure enough, the keyboard and interface worked perfectly. Keyboard CW generated in fine style. Now for the final packaging and I am off to the field for some CW via "space shuttle" keyboard.

Thanks to all who responded and especially Keith Hunt who put me onto the path to finding the cable. George W5YR tried to but I failed to comprehend his offering which was also correct. Thanks all.

72, George KR5C

Date: Wed, 3 Jul 2002 09:51:18 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'k7qo@earthlink.net'" <k7qo@earthlink.net>,
	Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129005] RE: DDS Signal Generator Update
Message-ID: <01C2227B.B6F49800.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I built a DDS from the 2/85 QST that I think became the S&S DDS unit. I used it as a VFO for my Corsair 1 for a time and it seemed reasonably clean. That was 5.0 to 5.5 MHz, and I think the Nyquist limit on this

thing was about 7.5, so I was pushing the limit.

It was a fun project. I programmed PC control for the thing with all the bells and whistles typical of the big three at the time--memories, band scan, memory scan, RIT, XIT and so on ... I also made an "analog" tuning knob using the wheel and LED/phototransistor pair from a bathroom scales. Slick.

I also recently got one of those AD9835 chips and I'm scared of it. Everything is much easier than the 1985 project except soldering (or even seeing) the chip. I think I almost had Far talked into making a proto board for the chip. You'd think they would be available. And then I've thought maybe I could bend up half the pins and solder tiny (#30) wirewrap wires to each one. Is that madness? Probably. And my fifty-three year old eyeballs just about need a jewelers loupe to find the pull tab on a can of beer.

72--Nick, WA5BDU

Trev et.al.,

I use an S&S Engineering DDS VFO that I bought at
Dayton many years ago for a signal generator. It works
well and I would not part with it as it is a valuable piece
of test equipment in the lab.

Date: Tue, 2 Jul 2002 22:29:01 -0500
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-l@lehigh.edu>
Subject: [129006] Tuna Tin II and VE3DNL Kits
Message-ID: <008e01c22241$c758cf20$6518150a@Alltel>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys and Gals of QRP-L,

Very few days go by without someone asking if the Fort Smith QRP Group is still doing the Tuna Tin II and VE3DNL Marker Generator Kits.

Yes we are still doing the kits for as long as the current supply of parts holds out. I haven't counted in a while, but this will be between 200-300

each. Hopefully there will be a Tuna Tin and a VE3DNL in everyone's shack by then and then I can take a break! :-)

We had to go up slightly on the price of the Tuna Tin IIs to $15 US and we are still holding the price of $12 US for the VE3DNL Marker Generator. Both kit prices include shipping/handling.

So, if you are new to QRP these kits are great for first time builders, clubs, and schools. To read more about these kits go to the NorCal web-site at: http://www.norcalqrp.com/
http://www.fix.net/~jparker/norcal/marker/marker.htm
http://www.fix.net/~jparker/norcal/bttfut/bttfut.htm

Doing a search on the Tuna Tin will bring you some fantastic QRP adventures!

Making these kits has been a very rewarding experience for the FSQG and me personally. I have cherished every e-mail and success letter. I can't thank the QRPers enough!

73 de jay/w5jay..

Date: Tue, 2 Jul 2002 23:26:11 -0400
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [129007] List of kits for sale Update
Message-ID: <004201c22241$61110840$a13e4a18@your318ruqz03z>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello
Here is a short list of the kits, I have had several requests so I thought I would post to the list. All are unbuilt except ones noted.
Simple and Accurate wattmeter from QST Feb 1990 Meter, board and parts kit
Kanga Fox II Transmitter
Melt Solder SMT Practice kit
CQrp MRX 40 kit

MS-15 15 Meter CW rig
Scorpion Stinger Singer Freq Counter
SOP Receiver and enclosure
Kanga Oner Keyer
Kanga Stockton Powermeter
Kanga OXO CW transmitter
G-QRP Club Code Oscillator
NOGAWatt Meter it is partly built
NorCal 49er with Altoids box
Pixie 2

I would like sell all to one person, best offer on the bunch gets all. I do not need them and I will sell them here or on *bay. I think all parts are there but I have not counted to be sure. I am not trying to get rich here but I will not give them away either hi. I will also take some pictures of the QRP enclosures for the list. I have hundreds of torrids, several crystals, variable caps, hammarlund variable caps, torrid wire on rolls, hundreds of parts for sale. I will be taking them to the Shelby Hamfest on Labor Day Weekend. I will get a list of all the parts as soon as I can. It will be a QRP treasure for somebody. I just do not have time to build it all hi. Need money for new rigs not parts

Thanks
Ronnie

Date: Wed, 3 Jul 2002 00:29:05 EDT
From: NB6M@aol.com
To: TomA@xetron.com, qrp-l@Lehigh.EDU
Subject: [129008] Re:Single band "Transmatch"
Message-ID: <123.131674ad.2a53d791@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Tom,

I have built and used the 40 Meter transmatch Dave Gauding mentions, from page 166 of "Solid State Design", and it works FB for coax fed antennas or random wire worked against ground. I even loaded up part of an old electric fence (obviously disconnected from its power source) with it and worked a bunch of stations with one watt out on 40 Meters.

Later, if you wanted, it could be developed into a multi band transmatch by simply putting some taps on the toroid inductor and using a switch to select

them.

If you are contemplating a balanced feeder and antenna, the BLT tuner from NorCal QRP Club is a good one. I haven't checked recently to see if it is still available, but I have built and used that one as well, and had very good results with it. The nice thing about it is that it can be used with either a coax fed dipole or loop, a balanced antenna system, or a random wire worked against ground. And, when needed, it will tune a twin-lead fed dipole or loop on other bands.

Either one of the tuners mentioned includes, and makes good use of, a nice resistive bridge to provide both a true 50 Ohm load for the rig and drive for either a small meter or an LED indicator while the tuner is adjusted for lowest SWR.

72

Wayne NB6M

Date: Wed, 03 Jul 2002 00:37:32 -0400
From: "Bernard F. Gaffney, Jr." <n8pvz@arrl.net>
To: qrp-l@lehigh.edu
Subject: [129009] AHr rating for Batteries in Parallel
Message-ID: <5.1.1.6.0.20020703001406.009ea090@mail.attbi.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ok, all you battery experts - here's a question for you:

   Suppose I have two identical 12v, 4.8AHr gel cell batteries connected in parallel. I know I'll still have 12v, but do I now have a unit with a 9.6AHr capacity? I'm thinking yes, because each segment provides 4.8AHr, so the total should be 9.6AHr. Or, am I wrong. and it's still only 4.8AHr?

Tnx in advance. FYI, I've made up a gel cell pack, using two 6v, 4.8AHr gel cells, in series(to give me 12v@4.8AHr). I've wired this in parallel with another identical set of gel cells to give me 12v @ 9.6AHr. My ultimate goal is to wire this setup in parallel with another identical setup to give me 12v @ 19.2AHrs, all in a standard size (heavy duty plastic) tool box. May not be the lightest thing around or very back-packable , but the cells only cost me $5 each at a swap meet .

    72 de N8PVZ
         ---bernie

Bernard F. Gaffney, Jr. N8PVZ
MI-QRP# M-1152 QRP-ARCI# 9446
n8pvz@arrl.net
http://www.familytreemaker.com/users/g/a/f/Bernard-F-Gaffney-Jr/
Searching for Gaffney, Gascho, Moers, and Hetzer

Date: Wed, 03 Jul 2002 00:44:53 -0500
From: "George, W5YR" <w5yr@att.net>
To: n8pvz@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129010] Re: AHr rating for Batteries in Parallel
Message-ID: <3D228F55.9EDBBD11@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Consider two identical cells in parallel. Identical in every respect such that they both carry the same discharge current and achieve the same emf's as they discharge.

As you predict, the same terminal voltage as either (they are tied in parallel) but since they share the load current equally, the capacity of the two batteries adds.

Now, to the real world. There are no two batteries in the world that are *that* identical. They may start out close, but there will be internal differences which will result eventually if not initially in the emf of one being higher or lower than that of the other. The one with the higher emf will deliver some of its available current to the other battery as well as to the load. Thus, it will become discharged sooner than the other battery. As soon as its emf drops below that of the other battery which has been being charged all this time, it starts accepting charging current itself as well as delivering some load current.

This rather complex little network of internal emf sources and internal resistances can defy exact analysis but qualitatively you can imagine that the two batteries would more or less boot-strap one another along and tend to keep their respective emf's about the same such that they would discharge more or less along the same paths. Since they are hard-wired in parallel, their terminal voltages are required to be identical, so only their emf's can differ with time.

Bottom line, it depends upon your batteries but if they are reasonably the same, I would expect that you can get more out of the two in parallel than

out of either one, but less than the sum of the capacity of each.

I would be very careful putting more than two batteries or sets of
batteries in parallel - lots of unknowns there . . . I would also fuse
liberally.

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

"Bernard F. Gaffney, Jr." wrote:
>
> Ok, all you battery experts - here's a question for you:
>
>   Suppose I have two identical 12v, 4.8AHr gel cell batteries connected in
> parallel. I know I'll still have 12v, but do I now have a unit with a
> 9.6AHr capacity? I'm thinking yes, because each segment provides 4.8AHr, so
> the total should be 9.6AHr. Or, am I wrong. and it's still only 4.8AHr?
>
> Tnx in advance. FYI, I've made up a gel cell pack, using two 6v, 4.8AHr
> gel cells, in series(to give me 12v@4.8AHr). I've wired this in parallel
> with another identical set of gel cells to give me 12v @ 9.6AHr. My
> ultimate goal is to wire this setup in parallel with another identical
> setup to give me 12v @ 19.2AHrs, all in a standard size (heavy duty
> plastic) tool box. May not be the lightest thing around or very
> back-packable , but the cells only cost me $5 each at a swap meet .

Date: Wed, 03 Jul 2002 01:49:34 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [129011] Norton AV I/O
Message-ID: <5.0.2.1.0.20020703014137.00acb4b0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Cool program ...it just zapped another beastie.
Usual disclaimer.
I update it every day because seems that there are a lot of perverts
putting stuff on the internet.
Not hams of course   :-)
73 Pete NV4V

Date: Wed, 3 Jul 2002 00:17:12 -0700
From: "Bob Okas" <vintage2@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [129012] Re: DDS Signal Generator Update
Message-ID: <FHEJJJPJADNLFNJNBOFAGEGMCBAA.vintage2@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks,

One of the problems with the phase accumulator approach is that the sine lookup table (rom) is limited to a relatively small number of steps. This is for several reasons, namely, chip real estate and speed. Doubling the lookup table depth also requires a doubling of the input clock frequency to get the same output frequency, all other things being equal.

For those unfamiliar, DDS does not employ a reloadable counter which produces a rom address. Instead, an adder and output register (which form a phase accumulator) are used to develop the sine rom address. Generally, the accumulator has a large width, 32 bits. The permits fine frequency resolution. The output register is fed back directly to one input of the adder. The remaining adder input comes from the input register which holds the phase increment. The user loads a phase increment value and the accumulator pops out a new value every clock cycle. If the DDS clock is, say 100 MHz, then a new phase value is produced every 10 nS. Each new phase value should produce a new rom address. Herein lies the problem. To make a practical DDS, some of those 32 bits in the phase accumulator must be lopped off (unless you have 4 gig of fast memory handy). This pruning is done on the lower order bits.

For certain output frequencies, the trimmed phase accumulator output doesn't produce evenly spaced rom addresses. For example, the spacing between the current phase address and the next might be 5 rom locations; between the second phase address and the third, it might be 6, and so on. Additionally, the "dwell" time at a certain rom address might vary, again due to the nature of the truncated phase accumulator. This equates to timebase jitter, which is the cause of those spurs.
When things are spot-on, the address increments and dwell times are regular and spurs are as low as possible.

There is a ready solution to the DDS spur dilemma. It's called dither, but we generally know it as noise. To reduce the amplitude of the spurs, several bits worth of random digital data (dither) are added to the

truncated phase accumulator output. This does two things. First, the bad news. It raises the broadband DDS output noise floor several dB. The good news is that the spur energy is spectrally spread out (as in spread spectrum) and, if the implementation is correct, is buried in the noise.

    In my casual search of DDS chips, I haven't come across any that employ dither to reduce spur energy. The reasons it is not used escape me. It doesn't take much silicon to implement and the results are predictable and superior.

73,
Bob - W3CD

Date: Wed, 03 Jul 2002 07:46:40 -0100
From: Bill Meara <n2cqr@clix.pt>
To: "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
Cc: qrp-l@lehigh.edu
Subject: [129013] Re: Problem with VXO, TX, birdies!
Message-ID: <1.5.4.32.20020703084640.00af52c8@pop.clix.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:40 AM 7/2/02 -0700, Glen wrote:
>Bill,
>   Interesting problem. Your troubleshooting ideas are very good.
>I noticed that your VXO is very close to 4.5 times the I.F. Am trying
>to work out what interactions might be happening...
>9X 5.174 = 46.566
>2X 23.3 = 46.6

Glen: That's got to be it. Here's the confirmation:
The carrier oscillator is actually running at 5.176 (producing LSB which turns into USB after the mixer).
5.176 x 9 46.584
With the 23.303 rock, the VXO runs from 23.306 - 23.291
23.291 x 2 46.582

Further confirmation comes from the observation that the problem gets worse as I go lower in freq, as I get closer to 23.291 (and as I said, this is not a problem with the higher freq 23.323 rock).

So I'm almost certain this is a 9x 2x interaction problem. Now I have to find out where it is happening and how to surpress it. Last night I tried a series 46.582 LC trap at the output of the VXO. Didn't have any effect.

Tonight I'll try shutting down RF amp stages to see where the birdies stop
singing. Stay tuned!

73 de Bill CU2JL N2CQR
Sao Miguel Island, Azores, Portugal
900 miles West of Lisbon 37.7N 25.67W
http://planeta.clix.pt/n2cqr

Date: Wed, 03 Jul 2002 03:57:02 -0400
From: Pete Burbank <plburbank@kih.net>
To: kg6cyn@earthlink.net,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129014] Re: DDS Signal Generator Update
Message-ID: <5.0.2.1.0.20020703034934.00a8eec0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

That looks like a really great device that you have worked so hard at. Is
the board available?
I sure sure would like to make 1 (or 2 or 3)   :-)
73 Pete NV4V

At 06:34 PM 7/2/2002 -0700, Trevor Jacobs wrote:
>Chuck and All,
>
>Talked to Dave WD4PLI/6 today and mentioned this subjuct. Now Dave and I
>never did record the screen shots of the output of the Signal Generator
>on the HP Spectrum Analyzer, and I'm now regretting that, as I could
>have easily posted the data on the web site. Here's what I propose: you
>guys discuss it and pick 10 frequencies that you want me to record
>screen shots for and let me also know what type of measurements (Phase
>Noise etc...) that you'd like us to make as well, per frequency. I'm not
>sure how soon we can get some time on the analyzer, but it shouldn't
>take too long. The other suggestion I had was for me to send the Signal
>Generator to Chuck and let him analyze it. Would be fun to see how that
>came out! I'd post the results on my web site. Chuck, let me know if
>that interrests you.
>
>73's Trev KG6CYN
>----- Original Message -----
>From: Chuck Adams <k7qo@earthlink.net>
>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
>Sent: Tuesday, July 02, 2002 3:02 PM
>Subject: Re: DDS Signal Generator Update

>
>
> > At 02:25 AM 7/2/02 -0700, Trevor Jacobs wrote:
> > >Hey Gang,
> > >
> > >I added a download at the bottom of the DDS Signal Generator page.
>It's a
> > >ZIP file that contains JPG's of the schematics and PCB layouts,
>firmware,
> > >and a complete parts list.
> > >
> > >73's Trev KG6CYN
> > >http://home.earthlink.net/~kg6cyn
> >
> >
> > Trev et.al.,
> >
> > I use an S&S Engineering DDS VFO that I bought at
> > Dayton many years ago for a signal generator. It works
> > well and I would not part with it as it is a valuable piece
> > of test equipment in the lab.
> >
> > But it would be worth a posting or an article by some one
> > else to show the spectrum output of same or any DDS signal
> > generator. I had the S&S DDS on a Tektronix high dollar
> > spectrum analyzer and when you tune the critter to the
> > upper 30% or so of the output range you start to get
> > some really bad aliasing (not sure if this is the right
> > digital term to use), i.e. the mixing of the internal frequency
> > standard starts to generate bad spurs and bands of unwanted
> > frequencies. This is not a bad design critique of the S&S
> > DDS VFO. It is just a side effect/affect of the technology in
>general.
> >
> > I know the DDS is usually used for a specific range and filtered,
> > but there may be some individuals that haven't seen the output
> > as a function of range. I know there are a large number of
> > individuals with surplus spectrum analyzers that could help
> > by taking some time to do this.
> >
> > Thanks in advance,
> >
> > dit dit
> >
> >
> > Chuck Adams, K7QO CP-60 k7qo@earthlink.net
> > http://www.qsl.net/k7qo
> >

> > Moving to Arizona? --- Bring your own water, please.
> >

Date: Wed, 03 Jul 2002 06:21:27 -0400
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129015] RE: DDS Signal Generator Update
Message-ID: <5.0.2.1.0.20020703055235.00a8d6d0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:51 AM 7/3/2002 -0500, Nick Kennedy wrote:
>I built a DDS from the 2/85 QST that I think became the S&S DDS unit. I
>used it as a VFO for my Corsair 1 for a time and it seemed reasonably
>clean. That was 5.0 to 5.5 MHz, and I think the Nyquist limit on this
>thing was about 7.5, so I was pushing the limit.
>
>It was a fun project. I programmed PC control for the thing with all the
>bells and whistles typical of the big three at the time--memories, band
>scan, memory scan, RIT, XIT and so on ... I also made an "analog" tuning
>knob using the wheel and LED/phototransistor pair from a bathroom scales.
> Slick.
>
>I also recently got one of those AD9835 chips and I'm scared of it.

Nick es gang
I learned a long time ago to not be scared of A-D products. Everything is
super high quality and the
customer service folks are incredible....
I can't say enough good things about them they bailed me out of some knotty
problems in the past.
You got the impression that there was no hurry and these folks were having
fun. I won't bore you with the details
but they facilitated a monumental stroke study project.
73 Pete NV4V

Date: Wed, 3 Jul 2002 05:53:39 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "George, W5YR" <w5yr@att.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129016] Re: End fed wires may not work in some locales (long)
Message-ID: <Pine.LNX.4.44.0207030549220.1806-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 2 Jul 2002, George, W5YR wrote:

>
>
> "Karl F. Larsen" wrote:
> >
> > On Tue, 2 Jul 2002, Stuart Rohre wrote:
> >
> > > Karl,
> > > What is the context of good? Yes, my 400 foot long wire, pointed to the
> > > empty Indian Ocean, would have worked "good" for a ship borne station out
> >
> > I agree. On 40 meters and up it's a long wire which is directional to
> > some degree. Much better it be 88 feet long so it would act as a dipole
> > on all frequencies 80 through 10 meters.
> >
>
> Actually, an 88 ft center-fed dipole is a 20-meter Extended Double Zepp. It
> has a dipole, two-lobed, broadside pattern on 80 through 12 meters, but on
> 10 meters it takes on a four-lobed broadside pattern.

    Yes it's not perfect but it's a whole lot closer to a dipole
radiation pattern. It proves you really don't want as long a wire as you
can put up.

>
> On 20, the gain is about 3 db compared with a 20-meter dipole in the same
> location. On 10 meters, each lobe of the four has more gain than a 10-meter
> dipole would have in each of its two lobes.
>
> I am an enthusiastic EDZ user.

What is a EDZ user?

--
Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
                    http://www.zianet.com/k5di/

Date: Wed, 3 Jul 2002 05:30:58 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Pete Burbank <plburbank@kih.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129017] Re: Norton AV I/O
Message-ID: <Pine.LNX.4.44.0207030529180.1806-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Pete, use Linux. Then you save a beastie in your /virus directory. I
have quite a collection.

On Wed, 3 Jul 2002, Pete Burbank wrote:

> Cool program ...it just zapped another beastie.
> Usual disclaimer.
> I update it every day because seems that there are a lot of perverts
> putting stuff on the internet.
> Not hams of course   :-)
> 73 Pete NV4V
>
>
>

--
Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
                        http://www.zianet.com/k5di/

Date: Wed, 03 Jul 2002 08:11:31 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [129018] RE: DDS Signal Generator Update
Message-ID: <5.1.0.14.1.20020703080552.00a70c60@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:51 AM 7/3/2002 -0500, you wrote:
>I also recently got one of those AD9835 chips and I'm scared of it.
> Everything is much easier than the 1985 project except soldering (or even

>seeing) the chip. I think I almost had Far talked into making a proto
>board for the chip. You'd think they would be available. And then I've
>thought maybe I could bend up half the pins and solder tiny (#30) wirewrap
>wires to each one. Is that madness? Probably. And my fifty-three year
>old eyeballs just about need a jewelers loupe to find the pull tab on a can
>of beer.

Nick,

We had a tech at work that would routinely build ugly-style breadboards for us using SMT chips - he was able to tack 30 ga. wire-wrap wire to the leads. He was also quite a few years younger than me. When it comes to breadboarding with SMT, I just go ahead and make a PC board.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton
---
Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 3 Jul 2002 08:12:47 -0400
From: "N3BJ" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129019] FS: LDG Z-11 and Mountain-Ops TackPack
Message-ID: <OE59unFk6z4o4x1vbE000003fb7@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale: LDG Z-11 tuner and the Mountain-Ops TacPack (black) for the tuner only. Previously had listed the combo TacPack for the FT-817 and the Z-11, but have decided to keep the TacPack for the FT-817. If you already have the TacPack for the FT-817, this is what you need for the Z-11. They are modular and "Velcro" together. Not sure the Z-11 Pack is available seperately, don't see it offered on their website.

Tuner works FB, has small scratch on top, otherwise excellent. Also included are right angle connectors and coax jumper to facilitate connection

from rig to tuner.

$150 shipped

Alan, N3BJ
Bent Mountain, VA

Date: Wed, 03 Jul 2002 08:22:15 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [129020] RE: DDS Signal Generator Update
Message-ID: <5.1.0.14.1.20020703081745.00a77ec0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:21 AM 7/3/2002 -0400, you wrote:
>At 09:51 AM 7/3/2002 -0500, Nick Kennedy wrote:
>>I built a DDS from the 2/85 QST that I think became the S&S DDS unit. I
>>used it as a VFO for my Corsair 1 for a time and it seemed reasonably
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>>thing was about 7.5, so I was pushing the limit.
>>
>>It was a fun project. I programmed PC control for the thing with all the
>>bells and whistles typical of the big three at the time--memories, band
>>scan, memory scan, RIT, XIT and so on ... I also made an "analog" tuning
>>knob using the wheel and LED/phototransistor pair from a bathroom scales.
>> Slick.
>>
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>
>Nick es gang
>I learned a long time ago to not be scared of A-D products. Everything is
>super high quality and the
>customer service folks are incredible....
>I can't say enough good things about them they bailed me out of some
>knotty problems in the past.
>You got the impression that there was no hurry and these folks were having
>fun. I won't bore you with the details
>but they facilitated a monumental stroke study project.

Pete,

I don't think the scary part was that it was an Analog Devices chip - the
scary part is the size (or lack of size) of the chip. The '9835 is a
16-lead TSSOP. The bad news is the lead pitch is 25.6 mils (0.65 mm). The

good news is there are only 16 leads to solder.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton
---
Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 3 Jul 2002 06:27:58 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [129021] Eagle Printed Wiring Board Software
Message-ID: <Pine.LNX.4.44.0207030614350.1806-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was pleased when I found that the Eagle software was available for Unix. I d/l the free software and compiled it and it runs fine on Linux. All I have to do is type eagle and the software comes up and runs. I have a large PDF file which is the "Manual".

The problem I am having I think is that I should have already learned something. The software comes up with a sample Printed Wiring Board (pwb) design. All the steps are shown. But when I try to bridge the sample to the Manual it all falls apart.

Since I don't have anything to put on a pwb it's not something I NEED to use, but yesterday I thought I wanted to build a Artificial Ground for QRP. A pwb might be a good thing for this project. Variable compression caps and a big switch and 3 toroid coils tapped many places. Everything from Dan's Small Parts.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.zianet.com/k5di/

Date: Wed, 3 Jul 2002 06:40:19 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [129022] Antenna "lingo"
Message-ID: <Pine.LNX.4.44.0207030629170.1806-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

We tend to talk about antenna radiation patterns as showing GAIN when the pattern has many narrow fingers of power above the average. The problem with this is the gain may not be in the direction desired. So if your using a wire tied between 2 trees, the gain might hurt you!

Gain is fine if you have a beam on a tower that you can move in direction. I have one of these and the 20 meter Fox Hunts are easy. I point and shoot.

If you put up a fixed antenna you DO NOT WANT GAIN. You want the classic dipole pattern which is 2 large lobes covering everything but the area off the ends of the antenna. I think this should be called a QUALITY antenna.

Mount 2 of the antenna's 90 degrees apart like George in Texas and you don't have ANY holes in your pattern.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.zianet.com/k5di/

Date: Wed, 03 Jul 2002 06:04:06 -0700
From: John Kuklewicz N7ZN <kukl@cybrquest.com>
To: n8pvz@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129023] Re: AHr rating for Batteries in Parallel
Message-ID: <3D22F646.76D960E4@cybrquest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

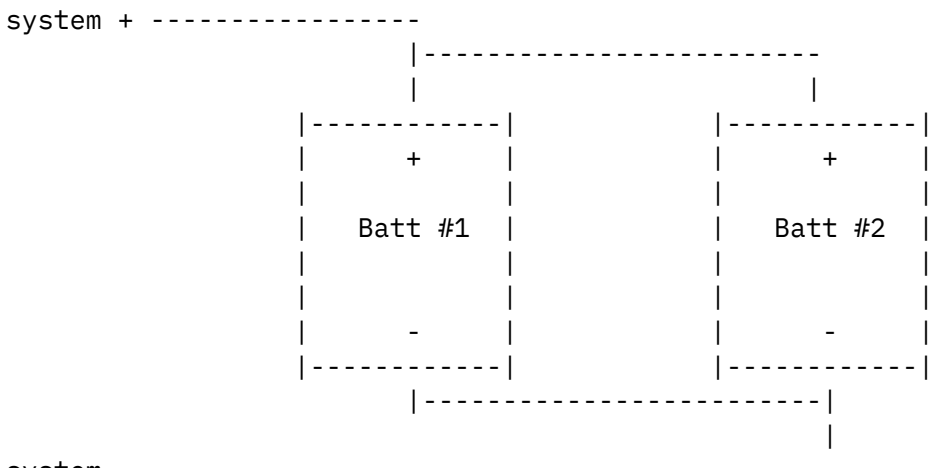
Bernie,

Yes, to all intents and purposes you will have a 12V 9.6Amp-hr pack. Assuming that the batteries are similar in age, usage, etc. It is poor practice to parallel or series dissimilar batteries. In parallel, the stronger battery does most of the work, and gets most of the charging current. In a series string, the weaker battery cell dominates and limits the entire string's charge/discharge capability.

In order to charge/discharge the batteries equally, it is important that the pack be wired in a very specific manner.

I call this diagonal wiring, and I attempt a crude drawing below. The intent is to have the same amount of wire in series with each battery and the system (load, charger, etc) To accomplish this, we first connect the batteries in parallel. Then the power feed to the system is taken from the -corners- of the pack. For two batteries, the system+ comes from + of battery #1 while the system- comes from - of battery #2.

Place additional batteries between battery#1 and battery #2 to extend the drawing below.



vy 73 es hope this helps...

John N7ZN

"Bernard F. Gaffney, Jr." wrote:
>

> Ok, all you battery experts - here's a question for you:
>
>   Suppose I have two identical 12v, 4.8AHr gel cell batteries connected in
> parallel. I know I'll still have 12v, but do I now have a unit with a
> 9.6AHr capacity? I'm thinking yes, because each segment provides 4.8AHr, so
> the total should be 9.6AHr. Or, am I wrong. and it's still only 4.8AHr?
>
> Tnx in advance. FYI, I've made up a gel cell pack, using two 6v, 4.8AHr
> gel cells, in series(to give me 12v@4.8AHr). I've wired this in parallel
> with another identical set of gel cells to give me 12v @ 9.6AHr. My
> ultimate goal is to wire this setup in parallel with another identical
> setup to give me 12v @ 19.2AHrs, all in a standard size (heavy duty
> plastic) tool box. May not be the lightest thing around or very
> back-packable , but the cells only cost me $5 each at a swap meet .
>
>   72 de N8PVZ
>   ---bernie
>
> Bernard F. Gaffney, Jr. N8PVZ
> MI-QRP# M-1152 QRP-ARCI# 9446
> n8pvz@arrl.net
> http://www.familytreemaker.com/users/g/a/f/Bernard-F-Gaffney-Jr/
> Searching for Gaffney, Gascho, Moers, and Hetzer

Date: Wed, 3 Jul 2002 09:14:20 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: qrp-l@lehigh.edu
Subject: [129024] Results last night NEQRP SSB NET
Message-ID: <OF88513C52.D9651275-ON85256BEB.0047E419@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Conditions were not great. Started on 7.285 but had to move again to
7.287.'
Seems 2 guys are on each night at 7.284 (QRO) and they never listen!!!!

Last weeks check-ins:

N3XRV   Chris   PA
K2QO   Mark   NY
WA1OHR   Ev   CT
WY1W   Howard CT
VE2EAL   John   Montreal
W1USN   Mike   MA

After net WY1W and VE2EAL had a great QSO.

Last night was short net with check-ins:

K2QO Mark NY
N3XRV Chris PA

with NiVS checking in on 7.285 but lost hom QSYng to 7.287.

Thanks all and if you heard me call the net but I did not hear you try
to check in please send me an email so we can focus better next time.

Happy July 4th
Ron - N1ZSW

Date: Wed, 3 Jul 2002 09:35:17 -0400
From: "Hudson, Steve (RBI-US CMD)" <sdhudson@reedbusiness.com>
To: qrp-l@lehigh.edu
Subject: [129025] Moving sale, part 2
Message-ID: <A7E30DBD5928D442A7AE9EF215EEE133016E8C52@BINCMDGNOREXC02>
MIME-Version: 1.0
Content-Type: text/plain;
  charset="iso-8859-1"

Getting into boxes of parts now. I've stocked the little parts drawers we're
taking with us; these are some extras that need new homes. All are new
parts; some are new old parts. All plus shipping from 30004.

RESISTORS

1 ohm, half watt, 100 pcs. $1
1.2 ohm, half watt, 100 pcs. $1
1.6 ohm, quarter watt, 100 pcs, $1
6.8 ohm, half watt, 100 pcs, $1
7.5 ohm, half watt, 200 pcs. $1.50
15 ohm, half watt, 100 pcs, $1
30 ohm, quarter watt, 400 pcs, $2.50
47 ohm, quarter watt, about 500 pcs, $3
68 ohm, quarter watt, about 250 pcs. $2
180 ohm, half watt, 100 pcs, $1
560 ohm, half watt, 300 pcs, $2
750 ohm, quarter watt, 100 pcs, $1
820 ohm, quarter watt, 400 pcs, $2.50
2.4K ohm, half watt, 200 pcs, $1.50
4.3K ohm, quarter watt, 100 pcs, $1

7.5K ohm, quarter watt, 400 pcs. $2.50
43K ohm, quarter watt, 500 pcs, $3
220K ohm, half watt, 400 pcs, $2.50
2.7 meg, quarter watt, about 600 pcs, $3

OTHER RESISTORS

33 ohm, half watt, several hundred pcs, new old stock, old style carbon composition 10 percent, with leads cut and formed for horiz mount on PCB. $3
56 ohm, half watt, several hundred pcs, new old stock, old style carbon composition 10 percent, with full-length leads. $3
Mallory 2AV-2500 2500 ohm, 25 watt adjustable resistors, new old stock in original boxes, 4 each. $5

CAPACITORS

100 pf, NP0, 50 v disk. About 250 pcs +/-. $5
470 uf 50 v electrolytic, pc board mount, 35 pcs. $3
2200 uf 16 v electrolytic, axial leads, 6 pcs, $1
2200 uf, 35 v electrolytic, axial leads, 12 pcs, $2

Date: Wed, 3 Jul 2002 09:30:37 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kukl@cybrquest.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129026] Re: AHr rating for Batteries in Parallel
Message-ID: <006a01c22295$d61706e0$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you need to use your 'diagonal wiring' scheme, it means you have a problem and your using a bandaid to try to fix it. Besides, your scheme for cross feeding will ONLY work for 2 batteries. Not necessarily for more.

Yes, I use the cross corner feed approach when I do my setups, but I would NEVER depend on it.

To really do it RIGHT, you need to make sure your batteries are on a common low impedance bus.

Go to places like the 'job lots' or salvage houses. You can usually pick up cheap jumper cables for $2 to$5 a set. While I wouldn't want to keep them as my primary cables for anything other than a motorcycle or a lawn tractor, they are an excellent source of some fairly heavy wire. Use them to be your 'bus' to connect the batteries, insuring that you always have common low impedance feeds to each battery.

Another source of heavy wire is WalMart or other stores that sell batteries. In the display for the batteries, they usually have a small section for cables. You can pick up various lengths (up to 52") of battery cables designed to replace the runs in a car. These make EXCELLENT common bus wires for a multiple battery setup.

Yet another source is again WalMart or Radio Shack. What with the monster stereos nowadays, they have some pretty hefty power accessories in the audio sections to handle power distribution to the 500W or even bigger amps kids use nowadays...

Mike

Date: Wed, 3 Jul 2002 07:32:55 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [129027] Re: Antenna "lingo"
Message-ID: <20020703.073256.-341647.0.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl, I think your antenna gain theory is right up there with the "best rig in the world is the FT817". Not a valid comment. There are many good antennas that exhibit gain and a fixed antenna that has gain is good for many reasons. 1 is that some people cannot afford a tower and beam, or the hassle of going through the zoning boards to get approval, 2 neighborhood concerns, 3 the most gain for a favored direction. A yagi does not always give that, and a tribander is a compromise in doing so. At home my phased verticals will do a credible

job with gain and front to back nulling on 80 thru
17 meters and switchable in the 4 major compas points
Although I am not using one at this time, one of
the best is a sloping vee beam rosette, switcheable at
the operating position. This antenna was designed
in the 50's by Lloyd Colvin, W6KG when he was
in Germany and I put in one at work which was
520 ft per leg (I realize most cannon put in such)
to take advantage of the high gain in the 80 meter area
(about 4 dbd) and instant directional switching capability.
An effective gain antenna can be constructed on a much
smaller scale that will still allow such switching and
appreciable gain, inexpensively.

Ray

"The more you read about politics, you got to admit
that each party is worse than the other.
The one that's out always looks the best." -Will Rogers
Ray Colbert, W5XE, OOTC#3618, SOWP#1064M
NARTE-NCT2R QRP-ARCI 5784, El Paso,(FAR WEST)TEXAS

Date: Wed, 3 Jul 2002 08:12:53 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [129028] Re: Norton AV I/O
Message-ID: <000901c2229b$baa9f150$90813389@NORTHROPJ6SJ50>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl,

Don't you suppose it would be a lot easier for those of us *not* inclined to
switch to Linux (or Macs, or whatever) to just lay out the $40 for Norton
AV? Yes, we all bow down to worship the obvious superiority of any operating
system not produced by Microsoft, but for any number of reasons we, the
great unwashed, choose to run Windows anyway.

BTW, I heartily endorse Norton AV. It catches everything as long as you keep
it updated. And it'll keep itself updated automatically if you set it to.

73 de Dave NK0E

Karl wrote:

Hi Pete, use Linux. Then you save a beastie in your /virus directory. I
have quite a collection.

On Wed, 3 Jul 2002, Pete Burbank wrote:

> Cool program ...it just zapped another beastie.
> Usual disclaimer.
> I update it every day because seems that there are a lot of perverts
> putting stuff on the internet.
> Not hams of course   :-)
> 73 Pete NV4V

Date: Wed, 3 Jul 2002 08:17:31 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
        Low Power Group <qrp-l@lehigh.edu>
Subject: [129029] SaskHamfest 2002
Message-ID: <Pine.LNX.4.33.0207030816190.28354-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This is to remind you that SaskHamfest 2002 is coming up the weekend of
July 5-7. It will be held in Regina, Saskatchewan.

We have planned a varied and interesting program around the theme of
Amateur Radio - Serving Our Community.

Details of the program are at the
web site http://www.qsl.net/saskhamfest/ under the "Events" tab.

We hope that you will find something interesting that will bring you to
the hamfest.

Thank you,
73
John VE5SJA
Chairman, SaskHamfest 2002

Date: Wed, 03 Jul 2002 10:23:35 -0400
From: "Randy Randall" <randallr@healthall.com>
To: <qrp-l@lehigh.edu>
Subject: [129030] Re: Norton AV I/O
Message-ID: <sd22d0b1.089@jhs_izar.healthall.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

I agree. Norton is the best one out there currently. Don't even waste
your time with McAfee.

73
Randy KB8ASO
Network Engineer
The Health Alliance of Greater Cincinnati

>>> "Dave Ek" <ekdave@earthlink.net> 07/03/02 10:17 AM >>>
Karl,

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inclined to
switch to Linux (or Macs, or whatever) to just lay out the $40 for
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> putting stuff on the internet.
> Not hams of course   :-)
> 73 Pete NV4V

Date: Wed, 3 Jul 2002 08:26:30 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
        Low Power Group <qrp-l@lehigh.edu>
Subject: [129031] FOX - Teams
Message-ID: <Pine.LNX.4.33.0207030823030.29567-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Looks like the hunt is being delayed a bit so if you're thinking of
forming a Team please have at it and let me know so I can add your
Team to the list...
...we'll have the cut-off date as of the end of the second
hunt...thanks...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
            A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
            - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
          "QRP! How sweet it is!"   "I am da man wit "DAH" paddle!"

Date: Wed, 3 Jul 2002 08:32:20 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129032] Re: Norton AV I/O
Message-ID: <006401c2229e$7151d240$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Agreed!

Ford, Chevy, Chrysler.... Windows, Mac, Linux.... Sound familiar. To each their own. Please, let's avoid another taste great less filling argument.

73, Rod N0RC

Give me freedom or death from tyrannical rule by those who assert what OS I must/should use! ;-)

----- Original Message -----
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 03, 2002 8:12 AM
Subject: Re: Norton AV I/O

> Karl,
>
> Don't you suppose it would be a lot easier for those of us *not* inclined to
> switch to Linux (or Macs, or whatever) to just lay out the $40 for Norton
> AV? Yes, we all bow down to worship the obvious superiority of any operating
> system not produced by Microsoft, but for any number of reasons we, the
> great unwashed, choose to run Windows anyway.
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> BTW, I heartily endorse Norton AV. It catches everything as long as you keep
> it updated. And it'll keep itself updated automatically if you set it to.
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>
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perverts
> > putting stuff on the internet.
> > Not hams of course   :-)
> > 73 Pete NV4V
>
>

Date: Wed, 03 Jul 2002 09:42:02 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [129033] [OT] Red Hats, Windows, Universes
Message-ID: <3.0.2.32.20020703094202.007eacd0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

Linux, as good as it might be, is not an option for most of the universe.

There are many good OSs out there. But Windows is by far the most
universal. The software to otherwise support the masses, washed or not, is
just not there. Unless you are a software engineer or equivalent, your
choice is most likely Microsoft and their software or that written by
third-party programmers for Windows.

So continually bringing up the fact that this OS or that OS is better than
Windows is of little use. Personl preferences aside, the people that I do
contract tech writing for all use Windows. Most all of the useful software
for our hobby is written for Windows. It would be of little use for most of
us to do any thing else.

I'm done now...   [g]

Email Alt: w5usj@arrl.net, w5usj@go.com

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP http://www.netxqrp.org

---

Date: Wed, 3 Jul 2002 08:42:29 -0600
From: tailfeathers@juno.com
To: ekdave@earthlink.net
Cc: qrp-l@lehigh.edu
Subject: [129034] Re: Norton AV I/O
Message-ID: <20020703.084330.-1850251.0.tailfeathers@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You can buy Norton Systemworks Pro for 25.00 at directdeals.com. CD
only...

Gary

On Wed, 3 Jul 2002 08:12:53 -0600 "Dave Ek" <ekdave@earthlink.net>
writes:
> Karl,
>
> Don't you suppose it would be a lot easier for those of us *not*
> inclined to
> switch to Linux (or Macs, or whatever) to just lay out the $40 for
> Norton
> AV? Yes, we all bow down to worship the obvious superiority of any
> operating
> system not produced by Microsoft, but for any number of reasons we,
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> great unwashed, choose to run Windows anyway.
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> you keep
> it updated. And it'll keep itself updated automatically if you set
> it to.
>
> 73 de Dave NK0E
>
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> > I update it every day because seems that there are a lot of
> perverts
> > putting stuff on the internet.
> > Not hams of course   :-)
> > 73 Pete NV4V
>
>

Date: Wed, 3 Jul 2002 10:53:59 -0400
From: "Walt Amos" <k8cv@netzero.net>
To: "Qrp-L Messages" <qrp-l@lehigh.edu>
Subject: [129035] Summer Fox Fur Flying .....
Message-ID: <004e01c222a1$7769b2d0$cae75aa6@WALTK8CV>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Why worry about the 4 th ? The dumb hunt doesn't start until way after my
bed time any way ..... :-)

WHINE .....

Date: Wed, 3 Jul 2002 10:02:17 -0500
From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129036] Four State QRP Group Wednesday Warble
Message-ID: <002701c222a2$9f53a2a0$e915b9cc@Host>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi gang:

The Four State QRP Group will have some PSK activity tonight
on about 3580 KHz. If you are in range of our signals, stop by and
say howdy around 9 PM central time.

Let's hope the summer static and storms arn't too bad!

72, Dave

David Bixler   W0CH
Seneca, Missouri
Four State QRP Group: http://w0ch.com/fsqrp/index.htm
QRP Web Site Main: http://w0ch.com
QRP Web Site Mirror: http://showcase.netins.net/web/w0ch/

QRP: Little radios, big fun!

Date: Wed, 3 Jul 2002 10:27:22 -0500
From: "Tony Parks" <robert.parks11@gte.net>
To: <qrp-l@lehigh.edu>
Subject: [129037] Re: FOX - Teams
Message-ID: <001401c222a6$2333ad60$5912f143@3dse0>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is there any interest in forming an all QRPp summer fox hunt team?

I am now limiting my K1 power output to 500 mW and would interested in being
on an all QRPp team.

Tony
KB9YIG

----- Original Message -----
From: "Bruce Rattray" <rattray@gpfn.sk.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 03, 2002 9:26 AM
Subject: FOX - Teams

>
> Looks like the hunt is being delayed a bit so if you're thinking of
> forming a Team please have at it and let me know so I can add your
> Team to the list...
> ...we'll have the cut-off date as of the end of the second
> hunt...thanks...
>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
>   A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
>   - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
>   "QRP! How sweet it is!"   "I am da man wit "DAH" paddle!"
>
>

Date: Wed, 03 Jul 2002 10:30:16 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: k8cv@netzero.net,
        Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129038] Re: Summer Fox Fur Flying .....
Message-ID: <04e401c222a6$88935e30$67dbd840@DaveSjolin>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Unless an official postponement is announced, I think its best to work
first, whine later.

Its not fair to the foxes to have them give up their holiday and sit at
their radios for two hours listening to hiss and giving out a few pelts,
only to be told that their effort doesnt count because some poor soul didnt
know whether they would be there or not, so they went to fireworks display
and missed them and now their teams standing has dropped.

Just my thoughts. 73 de Dave, N0IT

----- Original Message -----
From: "Walt Amos" <k8cv@netzero.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 03, 2002 9:53 AM
Subject: Summer Fox Fur Flying .....

> Why worry about the 4 th ? The dumb hunt doesn't start until way after my
> bed time any way ..... :-)
>
> WHINE .....
>
>
>
> ----------
> Introducing NetZero Long Distance
> Unlimited Long Distance only $29.95/ month!
> Sign Up Today! www.netzerolongdistance.com
>

Date: Wed, 03 Jul 2002 11:33:41 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129039] Re: AHr rating for Batteries in Parallel
Message-ID: <5.1.1.6.2.20020703113029.00b1d9b0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I beg to differ... in parallel, everyone lowers to the least common
denominator. The weaker, or lower voltage battery; is going to try to
discharge the stronger, or higher voltage battery; until they are equal.
That may very well be never, but at the least, the wasted coulombs are
simply going to be used for keeping the 'weaker or lower voltage battery'
nice and warm-in an attempt to equalize their voltages. If the difference
is slight, then the warmth will be slight... but the attempt will be made,
continually, until your 'good' battery is discharged enough to have the
same voltage level. This may be so far down the curve, that it has
relatively little 'oompf' left.

There is one word for when you should DIRECTLY (e.g. no isolation diode)
parallel batteries: NEVER.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 3 Jul 2002 09:44:17 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: William R Colbert <w5xe@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129040] Re: Antenna "lingo"
Message-ID: <Pine.LNX.4.44.0207030931070.10359-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ray, either you missed my point or I didn't make it. And what it has to do with a previous message I don't see. But I guess you feel that both messages are "not a valid comment".

What I said was the FT-817 is the best radio I own.

What I said is if you have one antenna that is fixed you don't want any gain because the gain will not point where you want it to be. So try for a broad pattern that covers most of the directions you want.

On Wed, 3 Jul 2002, William R Colbert wrote:

> Karl, I think your antenna gain theory is right up there with
> the "best rig in the world is the FT817". Not a valid
> comment. There are many good antennas that
> exhibit gain and a fixed antenna that has
> gain is good for many reasons. 1 is that some people
> cannot afford a tower and beam, or the hassle of
> going through the zoning boards to get approval,

What does this have to do with a fixed wire antenna? If you have gain in some direction you have a weak signal in another.

> neighborhood concerns, 3 the most gain for a
> favored direction. A yagi does not always give
> that, and a tribander is a compromise in doing so.

     I have a High Gain TH6DXX 6 element beam on a 26 foot boom at 60 feet on my tower. It has excellent gain and front to back making receiving much better.

> At home my phased verticals will do a credible
> job with gain and front to back nulling on 80 thru
> 17 meters and switchable in the 4 major compas points
> Although I am not using one at this time, one of
> the best is a sloping vee beam rosette, switcheable at
> the operating position. This antenna was designed
> in the 50's by Lloyd Colvin,

     Niether of these antennas have anything to do with what I'm talking about.

 W6KG when he was
> in Germany and I put in one at work which was
> 520 ft per leg (I realize most cannon put in such)
> to take advantage of the high gain in the 80 meter area
> (about 4 dbd) and instant directional switching capability.
> An effective gain antenna can be constructed on a much
> smaller scale that will still allow such switching and
> appreciable gain, inexpensively.
>

     I'm talking about wire lengths like less than a 1/2 wave, like 88 feet. Your talking impossible lengths that give some gain and a lot of weak directions. No-one living in the city can do this.

> Ray
>

--
Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
                     http://www.zianet.com/k5di/

Date: Wed, 3 Jul 2002 11:43:27 -0400
From: "Walt Amos" <k8cv@netzero.net>
To: "Qrp-L Messages" <qrp-l@lehigh.edu>
Subject: [129041] Linux stuff here ....
Message-ID: <00fd01c222a8$604fae40$cae75aa6@WALTK8CV>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

----- Original Message -----
From: "ARRL Web site" <memberlist@www.arrl.org>
To: <k8cv@netzero.net>
Cc: <Subscribed ARRL Members:>
Sent: Wednesday, July 03, 2002 12:08 AM
Subject: ARRL Contest Rate Sheet for July 03, 2002

> **********
> Contester's Rate Sheet
> 3 July 2002
> **********
>
> Edited by Ward Silver, N0AX
>
> SUMMARY
> o WRTC2002 - July 13th - new CTY files available from AD1C
> o New contesting software available
> o EU Sprint, All Asia, and Ohio QSO Party results available
> o 2001 160 Meter and 2002 VHF Sweepstakes available on-line at ARRL
> Web site
>
> BULLETINS
> o Don't miss out on the WRTC2002 fun during the IARU HF
> Championship. There are special awards for working the WRTC2002
> competitor stations using the OJ1-OJ8 prefixes - never before
> activated. All e-mail logs submitted to logs@wrtc2002.org within 6
> hours after the contest ends will participate in a lottery with
> special WRTC2002 prizes. See http://www.wrtc2002.org for more
> information.
>
> BUSTED QSOS
> o A golden issue last time!
>
> ANNOUNCEMENT & NOTICES FOR 3 JULY TO 16 JULY 2002

>
> Logs are due for the following contests:
>
> o July 6, 2002 RSGB Jubilee Contest - email to:
> hf.contests@rsgb.org.uk, paper logs to: RSGB HF Contests Committee,
> c/o SV Knowles, G3UFY, 77 Bensham Manor Road, Thornton Heath, Surrey
> CR7 7AF, UK
>
> o July 8, 2002 QRP TAC Sprint - paper logs only to: Eastern PA QRP
> Club, N3EPA, Attn: Ron Polityka, 1155 Robeson St., 2nd Floor,
> Reading, PA 19604-2151, USA
>
> o July 10, 2002 ARRL June VHF QSO Party- email to: JuneVHF@arrl.org,
> paper logs to: June VHF, ARRL, 225 Main St, Newington, CT 06111, USA
>
> o July 15, 2002 West Virginia QSO Party - email to: WA8WV@aol.com,
> paper logs to: Dale Ellis, WA8WV, 610 Hillsdale Drive, Charleston, WV
> 25302, USA
>
> o No due date, but it's been a month...Kid's Day Contest - email to:
> kids@contesting.com, paper logs to: Boring Amateur Radio Club, PO
> Box 1357, Boring, OR 97009, USA
>
> The following contests are scheduled:
>
> MI QRP July 4th CW Sprint - sponsored by the Michigan QRP Club from
> 2300Z Jul 4 to 0300Z Jul 5 160 through 6-meter bands, SOAB, entry
> classes A (<250 mW), B (<1 W), C (<5 W), D (>5W). Exchange RST, SPC,
> and MI-QRP number or power output. QSO Points: MI-QRP members are 5
> pts, non-member W/VE are 2 pts, and DX 4 pts. Score is QSO points X
> SPC (count each once per band, US/VE do not count as entities). If
> homebrew RX or TX, multiply by 1.25. If both RX and TX are homebrew,
> multiply by 1.5. For information - http://www.qsl.net/miqrpclub.
> Logs must be sent to L. T. Switzer, N8CQA; 427 Jeffrey Ave.; Royal
> Oak, MI 48073-2521 or n8cqa@att.net.
>
> Venezuelan Ind. Day Contest -- SSB - sponsored by the Radio Club
> Venezolano from 0000Z Jul 6 to 2400Z Jul 7. Frequencies; 160-10
> meters. Categories: SOAB, SOSB, MS, MM. Exchange: RS(T) plus serial
> number. Work any station -- not just YV. QSO Points: Own country --
> 1 pt, different country, same continent -- 3 pts, different cont. --
> 5 pts. Score: QSO Points x YV call areas + DXCC entities counted
> once per band. For more information -
> http://www.radioclubvenezolano.org. Logs due 31 July (15 Sep for CW)
> to haroldojr@cantv.net or Radio Club Venezolano, Concurso,
> Independencia de Venezuela, PO Box 2285, Caracas 1010-A, Venezuela.
>
> Kentucky QSO Party - CW/SSB/Digital - sponsored by the Bullitt

> Amateur Radio Society from 1600Z Jul 6 to 0400Z Jul 7. Frequencies:
> SSB 3.900, 7.200, 14.300, 21.400, 28.400 MHz; CW 3.550, 7.050,
> 14.050, 21.050, 28.050 MHz (Digital QSO's count as CW). Categories:
> SSB, CW, Mixed-Mode, or Rover, use of packet spotting encouraged.
> Rovers identify as "Rover" or "/R" and may be worked once per county.
> QSO Points: SSB -- 1 pt., CW/Digital -- 2 pts, Rovers -- 2 pts both
> modes. Score: KY stations - QSO Points x SPC + KY4KY and W4KBR
> (count VE provinces, KL7/KH6 count as states), non-KY stations -- QSO
> Points x KY counties plus KY4KY and W4KBR, multipliers count only
> once. For more information -
> http://www.qsl.net/ky4ky/kyqsopartyrules.html. Logs due 14 days
> after the contest to KC4WQ@mis.net or KY QSO Party, c/o KC4WQ, 1229
> Zoneton Rd., Shepherdsville, KY 40165.
>
> IARU HF World Championship, CW/SSB, sponsored by the IARU from 1200Z
> Jul 13 to 1200Z Jul 14. Frequencies: 160 - 10 meters, work stations
> on each mode. Categories: SO (Phone, CW, Mixed Mode), MS (with 10
> minute rule). Exchange: RS(T) and ITU Zone, HQ stations will send a
> society abbreviation, such as "ARRL". (See
> http://www.arrl.org/contests for a list of prefixes and zones. A
> good ITU zone map is available at http://www.iaru.org/ituzonesc.gif.)
> QSO Points: own zone and HQ stations - 1 pt, same zone, different
> continent - 1 pt, different zone, same continent - 3 pts, different
> zone and continent - 5 pts. Score: QSO points x ITU zones + HQ
> stations counted once per band. For more information -
> http://www.arrl.org/contests. Logs due Aug 13 to IARUHF@iaru.org
> (Cabrillo format only) or IARU HF Championship, IARU International
> Secretariat, Box 310905, Newington, CT 06111-0905, USA.
>
> FISTS Summer Sprint, CW, 1700Z to 2100Z Jul 13. Frequencies: 80 - 10
> meters, work US/VE stations, once per band. Categories -- SOAB-QRP
> (<5W), SOAB-QRO and Club. Exchange name, RST, state/province/DXCC
> country; members send FISTS number, nonmembers send power output. QSO
> Points: FISTS members -- 5 pts, nonmembers - 2 pts. Score is QSO
> points   SPC (count each only once). For more information -
> http://www.FISTS.org. Logs due 30 days after the contest to
> W8PIG@yahoo.com or Dan Shepherd, N8IE, 1900 Pittsfield St.,
> Kettering, Oh 45420.
>
> QRP ARCI Summer Homebrew Sprint -- CW - 2000Z to 2400Z Jul 14 SO-CW,
> SO-SSB, SO Mixed-Mode categories; no time limit. Exchange RST, SPC
> and Pwr or QRP ARCI number - work stations once per mode. QSO
> Points: member stations 5 points, non-members/different continent 4
> points; non-members/same continent 2 points. Score is QSO points X
> total SPC X Power Mult (<250mW x 15, 250mW-1W x 10, 1-5W x7, >5W x
> 1). Add the following bonus points for each band on which homebrew
> gear is used; 2000 pts for homebrew transmitter, 3000 pts for
> homebrew receiver, 5000 pts for homebrew transceiver. For more

> information - http://personal.palouse.net/rfoltz/arci/arcitst.htm.
> Logs due within 30 days after the contest to rfoltz@turbonet.com or
> Randy Foltz, K7TQ; ATTN: Top Band Sprint; 809 Leith St; Moscow, ID
> 83843.
>
> NEWS & PRESS RELEASES
>
> There is finally some contesting software available for the Linux
> operating system. There are actually two programs in development, one
> emulating CT (CX) and another which emulates TR-Log (TLF). Several of
> the major contests are already supported and there are provisions for
> generic contests, DX-peditions and logging of non-contest operations
> as well. TLF outputs Cabrillo files, which are required for many
> contest submissions. TLF can be found at
> http://sharon.esrac.ele.tue.nl/~pa0rct/TLF-0.2.html and CX is at
> http://cx.dk8lv.net/. There is also a mini-version of Linux on a
> floppy including TLF whichwill run on DOS computers in RAM. This can
> be found at http://debianham.sunsite.dk. (Thanks, Bob N7XY)
>
> Version 1_2_0 of N1MU's VHF/UHF/Microwave contest logging software
> RoverLog (It's not just for Rovers!) This version adds voice and CW
> keying as well as many other performance enhancements and bug fixes
> to the previous version. You can find out more about RoverLog and
> download it for free at http://www.2ub.org/roverlog/. (Thanks, Tom
> N1MU)
>
> If you know of a young contester that would like to get in touch with
> other young contesters around the world, point them at
> http://wwyc.webbg.com/index.php. The list has some impressive calls
> on it and the club totals more than 140 at present time. (Thanks,
> Thomas OZ1AA)
>
> In case you were wondering about whether such things are checked,
> checking of violations of the six-band change rules for MS and M2 in
> both modes of the DX Contest were reviewed and follow-up emails
> processed to about three dozen competitors by the ARRL Contest Desk.
> Also, The Online results for the 2001 ARRL 160 Meter Contest and the
> 2002 ARRL January VHF Sweepstakes have been opened at:
> http://www.arrl.org/contest/results. "Many thanks to Will Roberts,
> AA4NC, for his excellent work on the 160 Meter results article and to
> Mark Hoffman K2AXX and Jeff Ach, W2FU, for their work on the January
> VHF Sweepstakes articles. As we continue to explore options with the
> online results, your feedback is important. Remember that this
> feature is new and really a "work in progress"." (Thanks, N1ND)
>
> The new CTY files are available for the upcoming IARU HF
> Championship. All of the files can be found at:
> http://www.k1ea.com/cty. Individual files for NA and Writelog are

> included in the same ZIP file. They are also available as individual
> downloads from that web page. Please see README.TXT for installation
> instructions. (Thanks, Jim AD1C)
>
> The results for the Eu Sprint - Spring 2002 have been released and
> can be seen at <"http://loja.kkn.net/~i2uiy/>. Congratulations to
> Timo OH1NOA (operating as OH1F) and Dave G4BUO for their SSB and CW
> wins! (Thanks, Paolo I1UIY)
>
> JIDX 2001 Phone results and All time records are now available at
> http://je1cka.jzap.com/jidx/index.html. (Thanks, Tack JE1CKA)
>
> Results for the 2001 Ohio QSO Party are posted at
> http://www.mrrc.net/story/2002/6/16/234624/254. Note that the date
> of this year's Ohio QSO Party have been shifted to avoid the Labor
> Day weekend to Aug 24 and 25. (Thanks, Pat N8VW and Jim K8MR)
>
> TECHNICAL & TECHNIQUE
>
> If you're interested in getting some 40-meter directivity but can't
> put up more aluminum on your already-groaning tower, Kirk K4RO has
> modified his tribander with an Omega match per N4KG's design and
> reports not only fine results, but even better, higher contest scores
> on 40 meters. With Kirk's encouragement K4BEV set off to duplicate
> this antenna. Not only did Don figure out how to tune the beast, but
> he got it to work on 30 meters, as well. His description of the
> antenna, with photos, can be found at
> http://www.k4ro.net/tcg/k4bev_boom/k4bevboom.html. (Thanks, Don
> K4BEV)
>
> CONVERSATION
>
> As June ends, Field Day (both ARRL and IARU) is just receding in our
> contest rear-view mirrors. Even though Field Day is "not a contest",
> it sure gets the competitive juices flowing for many of us. Because
> it is not promoted as a competitive event, it draws a huge number of
> casual and newly-licensed operators to HF operations. Here's where
> the fun begins - quite a few long-time contesters can trace their
> involvement in contesting to a Field Day long ago when an older, more
> experienced hand turned to them and said, "Here, why don't you give
> it a try?"
>
> Nowadays, with that first sweaty-palmed experience remembered only
> for its glory and not for its lesser aspects, it is easy to forget
> that maybe we were a little raw during that first shift in The Chair.
> But our Field Day Elmer probably didn't say a whole lot about it,
> perhaps "suggesting" that maybe things might be a little smoother if
> we changed our style a tad here and there. If he or she had been too

> abrupt or stern, maybe our contesting career wouldn't have gotten off
> to the terrific start we recall today.
>
> The point of this recollection is to remind all of us experienced
> operators to extend a helping hand to those new, potential
> contesters. Sure, they aren't skilled in the arts of rate and they
> don't follow the usual snappy protocols we're accustomed to at 200
> QSOs per hour. Mostly, though, they will respond if you make that
> casual suggestion and help them by teaching instead of reprimanding.
> I will admit that I, too, shook my head this year as I received the
> Field Day exchange in triplicate, with both calls at each end and
> four KN's, but I hope that I have helped the new operators on our end
> do a little better.
>
> There are some great opportunities coming up to reach out to those
> operators that took an interest in June. The IOTA Contest at the end
> of July and the North American QSO Parties in August have plenty of
> room for a low-key multiop, sharing the rig with a new operator. Why
> not invite that guy or gal that seemed to be hanging around the
> operating position more than the others?
>
> ACKNOWLEDGEMENTS
>
> The Contester's Rate Sheet wishes to acknowledge information from the
> following sources:
> WA7BNM's Contest Calendar Web page -
> http://www.hornucopia.com/contestcal/ ARRL Contest page -
> http://www.arrl.org/contests/
> SM3CER's Web site - http://www.sk3bg.se/contest/
>
> ==========
> THE ARRL CONTEST RATE SHEET is published every other Wednesday (26
> times each year), by the American Radio Relay League--The National
> Association For Amateur Radio--225 Main St, Newington, CT 06111; tel
> 860-594-0200; fax 860-594-0259. Editor: Ward Silver, N0AX.
>
> The ARRL Contest Rate Sheet offers a useful source of timely
> information for both the active and casual contester. The Rate Sheet
> includes information about events during the following two-week period,
> time-sensitive news items, upcoming deadlines, and other news of
> interest to contesters.
>
> For permission to quote or reprint material from the ARRL Contest Rate
> Sheet, send a request including the issue date, a description of the
> material requested, and a description of where you intend to use the
> reprinted material to the ARRL Editorial & Production Department:
> permission@arrl.org.
>

> Editorial questions or comments: Ward Silver, N0AX, rate-sheet@arrl.org
> Delivery problems (ARRL member direct delivery only!):
> rate-sheet-dlvy@arrl.org
>
> The ARRL Contest Rate Sheet is available to ARRL members via email free
> of charge directly from ARRL HQ. To subscribe, unsubscribe or change
> your address for e-mail delivery:
>
> ARRL members first must register on the Members Only Web Site,
> http://www.arrl.org/members/. You'll have an opportunity during
> registration to sign up for e-mail delivery of the ARRL Contest Rate
> Sheet, W1AW bulletins, and other material. ARRL members may subscribe
> to the ARRL Contest Rate Sheet by going to the Member Data Page at:
> http://www.arrl.org/members-only/memdata.html?modify=1 Note that you
> must be logged in to the site to access this page. Scroll down to the
> section "Which of the following would you like to receive automatically
> via email from ARRL?" Check the box for "ARRL Contest Rate Sheet
> (biweekly contest newsletter)" and you're all set. Past issues of the
> ARRL Contest Rate Sheet are available at
> http://www.arrl.org/rate-sheet/. Issues are posted to this page after
> publication.
> ==
>

Date: Wed, 3 Jul 2002 10:59:22 -0500
From: "Brian Olson" <brolson@ties.k12.mn.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129042] FS/T NCG 15M
Message-ID: <NDBBJPBMGLKJGANKJAEJCEEFFFAA.brolson@ties.k12.mn.us>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have for sale a NCG 15-Meter SSB/CW Transceiver.
Frequency range: 21.00-21.45 MHz
Power out: 2W/10W PEP Low and High settings
Mode: USB, CW
Includes original Microphone and power cord.

Asking $100 or trade for 30,20, 17 meter plug-ins for TenTec Scout or Kit?

Brian R. Olson
N0XFE
Bloomington, MN

Date: Wed, 3 Jul 2002 11:56:06 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <n4xy@earthlink.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129043] Re: AHr rating for Batteries in Parallel
Message-ID: <009c01c222aa$40de7260$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Ed Tanton" <n4xy@earthlink.net>

> I beg to differ... in parallel, everyone lowers to the least common
> denominator. The weaker, or lower voltage battery; is going to try to
> discharge the stronger, or higher voltage battery; until they are equal.
> That may very well be never, but at the least, the wasted coulombs are
> simply going to be used for keeping the 'weaker or lower voltage
battery'
> nice and warm-in an attempt to equalize their voltages. If the
difference
> is slight, then the warmth will be slight... but the attempt will be
made,
> continually, until your 'good' battery is discharged enough to have the
> same voltage level. This may be so far down the curve, that it has
> relatively little 'oompf' left.
>
> There is one word for when you should DIRECTLY (e.g. no isolation diode)
> parallel batteries: NEVER.
>
> 73 Ed Tanton N4XY <n4xy@earthlink.net>
>
> Ed Tanton N4XY

True enough... But does the Navy diode isolate all it's batteries in
subs? Do electric car makers diode isolate all their parallel cells?
(ok,

that's not fair, I know at least one does...)

Yes, it's an issue, and you SHOULD do that if you are just throwing batteries in parallel that you have laying around. But I've seen commercial setups that don't.

One thing that you sorta brought up though, and should be pointed out... IF you tie batteries in parallel, they should be fairly matched or it will amplify any of the issues you describe. And if you replace one of the batteries in a parallel array, you should replace ALL of them with matched devices. Yes, you will have losses, but sometimes the losses you will face will be an acceptable tradeoff for what you're trying to do.

Now, temper all of that with the fact that this is a QRP discussion group. Why in the world would you need the massive current source that raw parallel of batteries would give you? And why would the losses and tradeoffs be something you would be willing to compromise on to get that massive current source? Since this is QRP, I would have to say use the cells in isolation. Give up the huge current source so that you can avoid the compromise that occurs when you tie cells together as Ed mentioned!

Mike

Date: Wed, 3 Jul 2002 09:59:09 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [129044] on Fox Sked Whine
Message-ID: <002301c222aa$92344900$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I don't make the rules or organize the event. I just participate. But I will offer this: Maybe it is time to forget the whole thing, and put Fox Hunting on a summer hiatus.

To paraphrase Lincoln: You can please all of the people some of the time, You can please some of the people all of the time, but you can't please all of the people all of the time.

I'll be there, as I committed to, 0200-0400. I'll have a book to read with me, in case things get quiet.

73, Rod N0RC

Date: Wed, 03 Jul 2002 09:00:32 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129045] Re: Antenna "lingo"
Message-ID: <3D231FA0.6050504@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit

Karl F. Larsen wrote:

>Hi Ray, either you missed my point or I didn't make it. And what it has
>to do with a previous message I don't see. But I guess you feel that
>both messages are "not a valid comment".
>
>What I said was the FT-817 is the best radio I own.
>
>
>What I said is if you have one antenna that is fixed you don't want any
>gain because the gain will not point where you want it to be. So try for
>a broad pattern that covers most of the directions you want.
>

Karl,

I agree re the antenna. My beam is wonderful, but it sure is not easy to work nets on 20 with it!

But I would like to know why you are so high on the FT-817 .. since I am considering getting one. What other rigs are you comparing it to when you say it "is the best radio I own"? Why do you like it so much (i.e., what operating do you use it for)?

73, Phil

Date: Wed, 03 Jul 2002 11:03:31 -0500
From: "George, W5YR" <w5yr@att.net>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129046] Re: End fed wires may not work in some locales (long)
Message-ID: <3D232053.E5AEDAA6@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Karl F. Larsen" wrote:
>
> On Tue, 2 Jul 2002, George, W5YR wrote:

<snip>

> > I am an enthusiastic EDZ user.
>
> What is a EDZ user?

One, like myself, who uses and advocates the Extended Double Zepp antenna.
An "enthusiasic" version of same is someone who never passes up an
opportunity to talk about it! <:}

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Date: Wed, 03 Jul 2002 11:18:41 -0500
From: "George, W5YR" <w5yr@att.net>
To: rod@n0rc.us
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129047] Re: on Fox Sked Whine
Message-ID: <3D2323E1.7ECFDE04@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rod, it is simple:

Those who want to snag a pelt Thursday evening will be in there trying.

Those who want to do something else, will do something else.

No need to change any rules - just let free will function.

Thanks for the Sprint contact Monday evening.

Think "Yellow Rose" when you are tuning around . . .

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Rod N0RC wrote:
>
> Folks,
>
> I don't make the rules or organize the event. I just participate. But
> I will offer this: Maybe it is time to forget the whole thing, and put
> Fox Hunting on a summer hiatus.
>
> To paraphrase Lincoln: You can please all of the people some of the
> time, You can please some of the people all of the time, but you can't
> please all of the people all of the time.
>
> I'll be there, as I committed to, 0200-0400. I'll have a book to read
> with me, in case things get quiet.
>
> 73, Rod N0RC

Date: Wed, 03 Jul 2002 12:34:24 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129048] Re: Summer Fox Fur Flying .....
Message-ID: <3D22EF50.9596.4A61F7E@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 3 Jul 2002 at 10:53, Walt Amos wrote:

> Why worry about the 4 th ? The dumb hunt doesn't start until way after my
> bed time any way ..... :-)
>
> WHINE .....
>

Hey, I just had a great idea. Why don't we do this fox thing in the WINTER?

W2AGN (whose obvious brilliance is only exceeded by that of certain antenna gurus)

Date: Wed, 3 Jul 2002 11:04:18 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <w2agn@w2agn.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129049] Re: Summer Fox Fur Flying .....
Message-ID: <000501c222b3$acc6b830$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yeah, that's a good idea... And maybe move it to 40m.

73, Rod N0RC

----- Original Message -----
From: "W2AGN" <w2agn@w2agn.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 03, 2002 10:34 AM
Subject: Re: Summer Fox Fur Flying .....

> On 3 Jul 2002 at 10:53, Walt Amos wrote:
>
> > Why worry about the 4 th ? The dumb hunt doesn't start until way
after my
> > bed time any way ..... :-)
> >
> > WHINE .....
> >
>
> Hey, I just had a great idea. Why don't we do this fox thing in the
WINTER?
>

> W2AGN (whose obvious brilliance is only exceeded by that of certain
antenna gurus)
>
>
>

Date: Wed, 3 Jul 2002 11:01:07 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Tony Parks <robert.parks11@gte.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129050] Re: FOX - Teams
Message-ID: <Pine.LNX.4.33.0207031059320.6091-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

HI Tony...if you would like to form a QRPp Team by all means do it and let
me know who the members are and I'll add your a team to the list...we've
had Teams run less than 5 watts in the past...so come on and join the
fun...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
            A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
            - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
          "QRP! How sweet it is!"   "I am da man wit "DAH" paddle!"

On Wed, 3 Jul 2002, Tony Parks wrote:

> Is there any interest in forming an all QRPp summer fox hunt team?
>
> I am now limiting my K1 power output to 500 mW and would interested in being
> on an all QRPp team.
>
> Tony
> KB9YIG
>
>
> ----- Original Message -----
> From: "Bruce Rattray" <rattray@gpfn.sk.ca>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Wednesday, July 03, 2002 9:26 AM
> Subject: FOX - Teams

>
>
> >
> > Looks like the hunt is being delayed a bit so if you're thinking of
> > forming a Team please have at it and let me know so I can add your
> > Team to the list...
> > ...we'll have the cut-off date as of the end of the second
> > hunt...thanks...
> >
> > ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> >   A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
> >   - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
> >   "QRP! How sweet it is!"   "I am da man wit "DAH" paddle!"
> >
> >
>

Date: Wed, 3 Jul 2002 13:46:15 -0400
From: "Walt Amos" <k8cv@netzero.net>
To: <myetsko@insydesw.com>
Cc: "Qrp-L Messages" <qrp-l@lehigh.edu>
Subject: [129051] Re: AHr rating for Batteries in Parallel
Message-ID: <001501c222b9$8bd2b010$0abd3841@WALTK8CV>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have 3 car batteries in parallel ..... just cause !

Could probably power a TenTec solid state LINEAR if I had one, but I don't !

I should probably put 20 amp fuses in series with each one and I will the
first time one blows up and leaks ACID all over :-(((

We had them in parallel at work in the basement of the telephone offices,
even cells that automatically cut in as the voltage dropped under load if
the commercial power failed. In the latter years of my illustrious career
:-) they even had a gas turbine driven backup generator. It was a JET ENGINE
! I haven't gotten one of those but soon ..... soon , as
Elecraft says ..... soon !

Walt

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 03, 2002 11:56 AM
Subject: Re: AHr rating for Batteries in Parallel

> ----- Original Message -----
> From: "Ed Tanton" <n4xy@earthlink.net>
>
>
> > I beg to differ... in parallel, everyone lowers to the least common
> > denominator. The weaker, or lower voltage battery; is going to try to
> > discharge the stronger, or higher voltage battery; until they are equal.
> > That may very well be never, but at the least, the wasted coulombs are
> > simply going to be used for keeping the 'weaker or lower voltage
> battery'
> > nice and warm-in an attempt to equalize their voltages. If the
> difference
> > is slight, then the warmth will be slight... but the attempt will be
> made,
> > continually, until your 'good' battery is discharged enough to have the
> > same voltage level. This may be so far down the curve, that it has
> > relatively little 'oompf' left.
> >
> > There is one word for when you should DIRECTLY (e.g. no isolation diode)
> > parallel batteries: NEVER.
> >
> > 73 Ed Tanton N4XY <n4xy@earthlink.net>
> >
> > Ed Tanton N4XY
>
>
> True enough... But does the Navy diode isolate all it's batteries in
> subs? Do electric car makers diode isolate all their parallel cells?
> (ok,
> that's not fair, I know at least one does...)
>
> Yes, it's an issue, and you SHOULD do that if you are just throwing
> batteries in parallel that you have laying around. But I've seen
> commercial setups that don't.
>
> One thing that you sorta brought up though, and should be pointed out...
> IF you tie batteries in parallel, they should be fairly matched or it will
> amplify any of the issues you describe. And if you replace one of the
> batteries in a parallel array, you should replace ALL of them with
> matched devices. Yes, you will have losses, but sometimes the losses
> you will face will be an acceptable tradeoff for what you're trying to do.
>

> Now, temper all of that with the fact that this is a QRP discussion group.
> Why in the world would you need the massive current source that raw
> parallel of batteries would give you? And why would the losses and
> tradeoffs be something you would be willing to compromise on to get
> that massive current source? Since this is QRP, I would have to say
> use the cells in isolation. Give up the huge current source so that you
> can avoid the compromise that occurs when you tie cells together as
> Ed mentioned!
>
> Mike
>
>
>
>

Date: Wed, 03 Jul 2002 14:45:19 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: NoGaQRP Reflector <NoGaQRP@mailman.qth.net>
Subject: [129052] Re: AHr rating for Batteries in Parallel
Message-ID: <5.1.1.6.2.20020703140537.00ad7450@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Paralleling batteries with high current capacity (especially lead-acid) where there is an expected brief duration-high current drain is one thing... I believe paralleling much lower capacity batteries, intended for long duration power supplied at high efficiencies, is that different-colored horse. Doing so (even on the smaller batteries-let's not even get close to talking about AA or AAA cells here... I mean such as 1.2AH [minimum] gel-cells and the like) where constant charge-drain-recharge cycles may be expected is not so terrible (I STILL would "NEVER" do it)... but for the weekend FD or backpacking expedition? Still "NEVER".

That said... anybody (else) ever read anything specific about the efficiency losses that can be expected paralleling, say, 12V 1.2AH cells vs paralleling-BUT using that Schottky diode in series with each one (and ALWAYS losing that 1/2V-or whatever-as the batteries are drained?) I recall reading from several sources regarding NOT paralleling such batteries...

but cannot remember the specifics.

My memory being what it is (or rather-and more correctly: "isn't"), I usually just form an impression (for later recall) of two factors about almost everything in life: 1) YES or NO; and 2) what the 'S-meter reading' is of the YES or NO... e.g. strongly worded things like the "DON'T DO IT EVER" as in this case-or like jumping out of perfectly good, working, airplanes; or the lightly applied "NO" regarding whether you should ever throw 2 curveballs in a row. The latter-and many others both "YES" and "NO" having certain exceptions that apply-resulting in the occasional "GREY AREA"... as in whether or not the 1947 Roswell thing was or was not a UFO (of course it was); the Kennedy assassination (there WAS a guy on the grassy knoll); or whether stations who use Internet 'spots' in contests are playing fair ("YES"... but I understand the conflict.)

I have never read a relatively long term study measuring 'total power-supplied efficiencies" in comparison. Be an interesting thing to know, since the 'S-meter' reading I have on just plain paralleling batteries is about 10 or 15 over S-9 "NO". I suspect there's a curve or something that would say: for batteries at 'this' level, parallels of any sort are not efficient. And, for batteries (and probably power-drain vs time) within this window, the diode would be better. And, finally, for batteries (and probably power-drain vs time) above this window, paralleling. Whatever the circumstances, as I said, it'd be an interesting thing to KNOW.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Mon, 3 Jul 2000 14:13:26 -0500

From: "Mike Malone" <mmalone@worldlogon.com>
To: <w5yr@att.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129053] Re: on Fox Sked Whine
Message-ID: <00fd01bfe522$c5275040$88e535cf@malone-family>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You mean "Let Freedom RIng" George! And if the bands don't quieten down some my ears will be ringing... I am setting up QRV from Pascal Park watching the fireworks show, hunting foxes and stuffing down beer and hotdogs inbetween sending my call. Have a happy 4th!!!
-----Original Message-----
From: George, W5YR <w5yr@att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, July 03, 2002 11:27 AM
Subject: Re: on Fox Sked Whine

>Rod, it is simple:
>
>Those who want to snag a pelt Thursday evening will be in there trying.
>
>Those who want to do something else, will do something else.
>
>No need to change any rules - just let free will function.
>
>Thanks for the Sprint contact Monday evening.
>
>Think "Yellow Rose" when you are tuning around . . .
>
>73/72/oo, George W5YR - the Yellow Rose of Texas
>Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
>Amateur Radio W5YR, in the 56th year and it just keeps getting better!
>QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
>Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
>
>
>Rod N0RC wrote:
>>
>> Folks,
>>
>> I don't make the rules or organize the event. I just participate. But
>> I will offer this: Maybe it is time to forget the whole thing, and put
>> Fox Hunting on a summer hiatus.
>>

>> To paraphrase Lincoln: You can please all of the people some of the
>> time, You can please some of the people all of the time, but you can't
>> please all of the people all of the time.
>>
>> I'll be there, as I committed to, 0200-0400. I'll have a book to read
>> with me, in case things get quiet.
>>
>> 73, Rod N0RC
>

Date: Wed, 3 Jul 2002 15:31:04 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129054] RE: Artificial RF Ground NO! errr YES!!
Message-ID: <125490A005E3D3118C9C00805FC743CC040F439C@kahless.arrlhq.org>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

If one wants to operate multiple bands, an "artificial ground" (really a ground-system tuner) may be a better solution than trying to run separate radials for each band. The AG can also be used to tune an actual ground wire. If, for example, one has a quarter-wavelength of wire going to a ground rod, the "shack" end of that wire will be at a high impedance point on that band. This can give "RF in the shack" problems if that ground is part of an end-fed wire. The AG will help under those circumstances.

For those who need what it is, it is a good thing.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: http://www.arrl.org/tis

> -----Original Message-----
> From: Karl F. Larsen [mailto:k5di@zianet.com]
> Sent: Tuesday, July 02, 2002 2:28 PM
> To: Low Power Amateur Radio Discussion

> Subject: RE: Artificial RF Ground NO! errr YES!!
>
>
>
> Hi Jerry, on 80 meters the 70 foot counterpoise is often not possible
> and then a artificial ground using a much shorter wire might work. I
> think 33 feet is almost always possible so only 80 meters is
> where you
> need help.
>
>
> On Tue, 2 Jul 2002, Lofstead, Jerry wrote:
>
> >
> > I have the MFJ and it works like a champ!!! On 75 SSB
> running 2.5 watts
> > to the FT817, and an AT11MP tuner/coupler, it does a great
> job loading
> > up about anything and using just about anything for a
> > ground/counterpoise. Signal reports jumped drastically
> form I can hear
> > you to now I can really hear you.
> >
> > Would not trade mine for the world.. Now that I see what I
> have been
> > missing all these years.
> >
> > Jerry
> > W3CDE
> >
> >
> > -----Original Message-----
> > From: Karl F. Larsen [mailto:k5di@zianet.com
<mailto:k5di@zianet.com>]
>
> Sent: Tuesday, July 02, 2002 11:26 AM
> To: Low Power Amateur Radio Discussion
> Subject: Artificial RF Ground NO!
>
>
>
>   After reading the ARRL QST review of the MFJ-931 I'm re-assured
> that the only counterpoise that will work is a wire of the proper
> length. For $90.00 you can buy a whole lot of wire!
>
>   The proper length is found from the formula that gives the
> length of a 1/2 wave which is 468/f(MHz) so the counterpoise wants to be
>

> half that length or (468/f(MHz))/2. On my calculator that cost $10.00 15
>
> years ago a counterpoise for 7.040 MHz will be 33.2 feet long. You can
> calculate the other frequencies yourself.
>
>

--
Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
                      http://www.zianet.com/k5di/

Date: Wed, 3 Jul 2002 14:57:56 -0500 (Central Daylight Time)
From: "Mark Andrews (KE4IOF)" <KE4IOF@ke4iof.com>
To: <qrp-l@lehigh.edu>
Subject: [129055] Re: [OT] Red Hats, Windows, Universes
Message-ID: <3D235744.000005.01100@dev01.vitalworks.com>
MIME-Version: 1.0
Content-Type: Text/Plain
Content-Transfer-Encoding: quoted-printable

Commentary below...

Chuck Carpenter said:

>Folks,

>Linux, as good as it might be, is not an option for most of the universe.

The same can be said of CW and QRP...

>There are many good OSs out there. But Windows is by far the most
>universal. The software to otherwise support the masses, washed or not, is
>just not there. Unless you are a software engineer or equivalent, your
>choice is most likely Microsoft and their software or that written by
>third-party programmers for Windows.

Before 1990, you could substitute DOS for Windows in the above statement and
before 1981, you could have substituted CP/M for DOS. Luckily, some of us
were willing to look beyone those previous "universal" paradigms and
ultimately the rest of you followed. Besides, since when did something being
"universal" become a reason to NOT examine other options.

>So continually bringing up the fact that this OS or that OS is better than

>Windows is of little use. Personl preferences aside, the people that I do
>contract tech writing for all use Windows. Most all of the useful software
>for our hobby is written for Windows. It would be of little use for most of
>us to do any thing else.

Ten years ago, the same was said about DOS; twenty years ago, it was being
said about CP/M
I've been following the thread. I don't think anyone was espousing Linux
over Window. I just suggested it as an option.
>I'm done now... [g]

Good, cause now I'm going to start... [g]
I've been on this list for almost 8 years now. Many times I've heard the
lamentations about "rice" boxes and "appliance" radios and their
corresponding ignorant/unworthy amateur operators. If this group is about
one thing, it is about LEARNING something new. In this particular case, it
is RF and how to use as little as possible of it.
I've seen threads on creative new methods of circuit board building,
building radios using no active parts except for 22 commodity, small signal
transistors, innovative ways to use digital IC's to generate RF (when they
were never designed to do so) and countless others.
Yet, when it comes to anything else, and in this case, computers, many of
you will walk into a store and say "gimme one of them thar GatewayIBMHewlett
(read yaecomwood) boxes that runs Winders".
What gives? Is you willingness to experiment and live on the bleeding edge
limited to generating miniscule amounts of RF?
This list has some of the most intelligent and articulate people I know.
Live a little; try something new; give your fingers a rest and burn them on
a different computer OS instead of on a hot soldering iron. Learn something
different! Exercise you OTHER brain cells a little.
You never know, but your prejudices might just be dispelled.
If any of you would like to know what software is REALLY available for Linux
(instead of just spewing the party line), I suggest you do a search on www
GOOGLE.com for "Linux software" or check out www.Lindows.com. I think many
of you will be surprised at the level of good, competent, professionally
written software. Some of it you even have to pay for!
Were any of you aware that you can now buy PC's with Linux as standard from
www.Walmart.com? There's nothing more "universal" than Walmart, is there?
:-)
<flame suite on>

Mark, KE4IOF

Date: Wed, 3 Jul 2002 16:16:21 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <KE4IOF@ke4iof.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129056] Re: [OT] Red Hats, Windows, Universes
Message-ID: <002301c222ce$80b13660$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Come on Mark, this is a QRP forum, not a computer forum. Sure,
there's CW and QRP, both of which seem to be out of the mainline for
HAM radio, but then, that's what this forum is for, right? QRP! And
naturally there will be a strong bias towards CW. Although I have to
admit my draw is QRP SSB.

Other things outside of the QRP aspect, and definitely outside of the
HAM aspect, are just tools we may use for various purposes. And
yes, they can impact how we do our 'topic' of QRP.

But don't mistake the fact that people here are 'indepth' in how they
deal with QRP or HAM radio to assume that they will take the same
tact with computers.

Yes, linux is neat. I've run various versions for a while. I've run the
other stuff too, from Xenix, and UNOS, and even 4.2BSD (on my
Tandy 16) to others, but the bottom line is when I use my computer,
unless I have a SPECIFIC and COMPELLING reason not to, I
run a version of Windows. (OK, Win98SE, and I have some very
specific reasons for that...) It does what I want. And I think I'm
safe in saying it does what more than 90% of what the people out
there want.

You can argue what's best or what's evil or whatever till your blue
in the face. I won't even argue with you. But please remember this
is a QRP forum, not a computer forum, and the computer evangelist
really don't belong here.

Mike

Date: Wed, 3 Jul 2002 14:22:52 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>
To: "George, W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129057] Re: End fed wires may not work in some locales (long)
Message-ID: <Pine.LNX.4.44.0207031422220.10933-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I get it.

On Wed, 3 Jul 2002, George, W5YR wrote:

>
>
> "Karl F. Larsen" wrote:
> >
> > On Tue, 2 Jul 2002, George, W5YR wrote:
>
> <snip>
>
> > > I am an enthusiastic EDZ user.
> >
> > What is a EDZ user?
>
> One, like myself, who uses and advocates the Extended Double Zepp antenna.
> An "enthusiasic" version of same is someone who never passes up an
> opportunity to talk about it! <:}
>
> 73/72/oo, George W5YR - the Yellow Rose of Texas
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> Amateur Radio W5YR, in the 56th year and it just keeps getting better!
> QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
> Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
>

--
Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
                        http://www.zianet.com/k5di/

Date: Wed, 3 Jul 2002 15:19:56 -0500 (Central Daylight Time)
From: "Mark Andrews (KE4IOF)" <KE4IOF@ke4iof.com>

To: <qrp-l@lehigh.edu>
Subject: [129058] [OT] Sorry for the any email problems
Message-ID: <3D235C6C.00000D.01100@dev01.vitalworks.com>
MIME-Version: 1.0
Content-Type: Text/Plain
Content-Transfer-Encoding: quoted-printable

The previous email I sent may show up in you mailbox as a garbled mess. If it does, I apologize.

Even though Outlook Express is universal, I decided to live a live a little and try a new email client. I haven't quite got all the settings where I want them, therefore my email may be screwed up.

Sorry for the bandwidth,

Mark, KE4IOF

Date: Wed, 03 Jul 2002 13:28:09 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: KE4IOF@ke4iof.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129059] Re: [OT] Red Hats, Windows, Universes
Message-ID: <3D235E59.5070307@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit

I cut my teeth on SOAP, ALGOL and eventually unix, CP/M, DOS etc.

Nice stuff, but I would not use a end-user machine with Linux at this time. Too much arcane software I use that does not have a linux counterpart. I don't mind leaning something "new" -- but not if my productivity suffers -- and not just to spite Mr. Gates.

73, Phil

Mark Andrews (KE4IOF) wrote:

>
>Good, cause now I'm going to start... [g]
>I've been on this list for almost 8 years now. Many times I've heard the
>lamentations about "rice" boxes and "appliance" radios and their
>corresponding ignorant/unworthy amateur operators. If this group is about
>one thing, it is about LEARNING something new. In this particular case, it

>is RF and how to use as little as possible of it.
>I've seen threads on creative new methods of circuit board building,
>building radios using no active parts except for 22 commodity, small signal
>transistors, innovative ways to use digital IC's to generate RF (when they
>were never designed to do so) and countless others.
>Yet, when it comes to anything else, and in this case, computers, many of
>you will walk into a store and say "gimme one of them thar GatewayIBMHewlett
>(read yaecomwood) boxes that runs Winders".
>What gives? Is you willingness to experiment and live on the bleeding edge
>limited to generating miniscule amounts of RF?
>This list has some of the most intelligent and articulate people I know.
>Live a little; try something new; give your fingers a rest and burn them on
>a different computer OS instead of on a hot soldering iron. Learn something
>different! Exercise you OTHER brain cells a little.
>You never know, but your prejudices might just be dispelled.
>If any of you would like to know what software is REALLY available for Linux
>(instead of just spewing the party line), I suggest you do a search on www
>GOOGLE.com for "Linux software" or check out www.Lindows.com. I think many
>of you will be surprised at the level of good, competent, professionally
>written software. Some of it you even have to pay for!
>Were any of you aware that you can now buy PC's with Linux as standard from
>www.Walmart.com? There's nothing more "universal" than Walmart, is there?
>:-)
><flame suite on>
>
>Mark, KE4IOF
>
>
>
>
>
>
>

Date: Wed, 03 Jul 2002 13:30:46 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129060] Re: [OT] Red Hats, Windows, Universes
Message-ID: <3D235EF6.2020808@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit

Mike Yetsko wrote:

>Come on Mark, this is a QRP forum, not a computer forum.
>

Maybe it is that Linux is the "Low Power OS" <grin>

73, Phil

Date: Wed, 03 Jul 2002 16:33:46 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: KE4IOF@ke4iof.com, QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [129061] Re: [OT] email problems
Message-ID: <5.1.1.6.2.20020703162713.00b08330@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I'll tell ya Mark... I like a fairly complicated, nested-priority, set of mailboxes. I struggled with OUTLOOK through to OUTLOOK 2002 (XP) and finally gave up. It did everything I wanted it to do VERY nicely... but kept screwing up when trying to backup. Sometimes it worked fine... sometimes it didn't-and it didn't WARN you when it had failed. This is being written on a 'paid-for' (registered) EUDORA 5.1.1 <http://www.eudora.com/> and it is working like a million bucks. Transferred my ADDRESS Book, got MOST of my mailboxes, and I'm NEVER going back!!!

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 3 Jul 2002 16:44:43 -0400
From: "Ham" <k1vp@grizzy.com>
To: <myetsko@insydesw.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129062] Re: [OT] Red Hats, Windows, Universes
Message-ID: <003f01c222d2$76436500$9601a8c0@office.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Mike Yetsko <myetsko@insydesw.com>
>but the bottom line is when I use my computer,
> unless I have a SPECIFIC and COMPELLING reason not to, I
> run a version of Windows.

Unless I have a specific and compelling reason not to, I run Linux.

My only comment to this thread. I really don't care much about this debate one way or the other, but I do get tired of people posting stuff which leads to the assumption that there is little software or even ham related software for anything other than Windows and you need to be some type of geeky nerd to install and use Linux. Neither of which are correct.

My personal view is use what you like and I will use what I like. Don't demean my choices and I won't demean yours.

Ed Lawson
K1VP

Date: Wed, 3 Jul 2002 14:45:10 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [129063] Re: [OT] Red Hats, Windows, Universes
Message-ID: <002d01c222d2$87fc2340$90813389@NORTHROPJ6SJ50>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mark,

Having been the one who started (or at least perpetuated) this thread, allow me to comment. First, I agree with everything you say. Life's about learning. We all choose different things to study in the pursuit of knowledge. That's what's cool about hobbies. I have no biases against Linux. At the moment, I also feel no personal motivation to dive into Linux. Perhaps in the future--who knows?

What got me started was Karl suggesting earlier that we should abandon our Windows boxes in favor of Linux simply because you don't have to worry about viruses. This is patently stupid. For me, that would amount to:

1) making careful backups of all my data (which I do anyway, I guess)
2) surveying the various flavors of Linux to decide which I want to install
3) installing it
4) tracking down drivers for all my hardware (I know, this isn't as hard as it used to be, but it's not a no-brainer, and I have lots of hardware)
5) obtaining replacements for the two-dozen or so applications that I run now under Windows
6) installing the new applications
7) figuring out how to migrate the data from my Windows apps to Linux apps
8) learning how to use Linux
9) learning how to use all the new applications
10) reconfiguring my home network to now be a mix of Windows and Linux machines, including sharing my internet connection (don't even suggest that I install Linux for my wife or my kids)

and other stuff I haven't thought of, simply to avoid installing anti-virus software and practicing safe computing. That's months of effort in my limited spare time that I'd rather spend doing interesting things (right now for me, it's packet, APRS, and satellites, along with a PIC project). Besides, for the most part I *like* Windows (gasp!).

I've got no beef with folks who want to use Linux. If that's what trips your trigger, then go for it, for whatever reason motivates you. Snobbery over Linux vs Windows, QRP vs QRO, CW vs not CW, etc. is all stupid and wastes energy, IMHO. I think you were trying to make the same point.

73 de Dave NK0E

Mark, KE4IOF wrote:

Good, cause now I'm going to start... [g]
I've been on this list for almost 8 years now. Many times I've heard the lamentations about "rice" boxes and "appliance" radios and their

corresponding ignorant/unworthy amateur operators. If this group is about one thing, it is about LEARNING something new. In this particular case, it is RF and how to use as little as possible of it.
I've seen threads on creative new methods of circuit board building, building radios using no active parts except for 22 commodity, small signal transistors, innovative ways to use digital IC's to generate RF (when they were never designed to do so) and countless others.
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You never know, but your prejudices might just be dispelled.
If any of you would like to know what software is REALLY available for Linux (instead of just spewing the party line), I suggest you do a search on www GOOGLE.com for "Linux software" or check out www.Lindows.com. I think many of you will be surprised at the level of good, competent, professionally written software. Some of it you even have to pay for!
Were any of you aware that you can now buy PC's with Linux as standard from www.Walmart.com? There's nothing more "universal" than Walmart, is there?
:-)
<flame suite on>

Date: Wed, 03 Jul 2002 17:08:35 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [129064] Re batteries
Message-ID: <5.0.2.1.0.20020703164432.02cd48c0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Somebody mentioned sub batteries and boats these days have only one with cells in series.
Each cell is about 8 feet high and cared for very rigorously.
I like the small garden tractor size for home use....plenty of juice for a QRP rig.
Mine is fused with one of those big hoggers about the size of your little finger and then feeds
a metering and switching panel mounted under the operating table.
One of the funniest things I remember from crawling down to check specific

gravitys
was a place on the 250 volt bus bars where some bozo had gotton careless
with his wrench.
It looked like "Jaws" had munched a chunk out of both bars... :-)
73 Pete NV4V

Date: Wed, 3 Jul 2002 14:13:44 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [129065] QRP Hammers
Message-ID: <GNEOLGDJDOPEALHJMKLCOEOPCFAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Tools, whether it be a hammer, soldering iron, or the confounded digital thinking box, are a matter of personal preference and usually political alignment.

I find that most people could give a damn about who made the hammer. They need a mallet for one application, and a tack hammer for another. But, like many, I use a 'one size fits all' hammer because it's in my toolbox. I use it hard on heavy jobs, light on little ones.

I like my hammer. I've used it for years and I am familiar with how it swings. I know its balance. I can do better jobs with my one hammer than the newbies can with their plethora of hammers because I know exactly what to do with mine and how it will respond to a given situation.

Yeah, I could learn to use the 'proper' hammer for a given job, but by the time I've learned all that, bought the right hammer, and applied myself, the usefulness or joy of the required application has fleeted me before I have a chance to get started.

Nah, I'll keep on using my hammer because I know it. I like it, and it smacks the nails, over-borne screws, cockroaches, and aluminum cans just the way I like.

Now, if it turns out that for a particular job my hammer just won't do, well, I'll go get the right hammer. Then I might have a real reason to learn to swing the new thing - it's weighting / balance, strike force, etc. Heck, I might bang on all sorts of things to get to know it better for the next time I NEED it. But then, it was necessity in the first place that got my

original hammer.

All banged out
Tracy N4LGH

Date: Mon, 3 Jul 2000 16:27:24 -0500
From: "Mike Malone" <mmalone@worldlogon.com>
To: <tracy@bytemark.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129066] Re: QRP Hammers
Message-ID: <002c01bfe535$81fafc00$88e535cf@malone-family>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="windows-1252"
Content-Transfer-Encoding: 7bit

ROTFLMAO and hopefully others are too Tracy!!!
KD5KXF
-----Original Message-----
From: Tracy Markham <tracy@bytemark.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, July 03, 2002 4:22 PM
Subject: QRP Hammers

>Tools, whether it be a hammer, soldering iron, or the confounded digital
>thinking box, are a matter of personal preference and usually political
>alignment.
>
>I find that most people could give a damn about who made the hammer. They
>need a mallet for one application, and a tack hammer for another. But, like
>many, I use a 'one size fits all' hammer because it's in my toolbox. I use
>it hard on heavy jobs, light on little ones.
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>well, I'll go get the right hammer. Then I might have a real reason to
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>to swing the new thing - it's weighting / balance, strike force, etc. Heck,
>I might bang on all sorts of things to get to know it better for the next
>time I NEED it. But then, it was necessity in the first place that got my
>original hammer.
>
>All banged out
>Tracy N4LGH
>
>
>

Date: Wed, 3 Jul 2002 14:41:03 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129067] Re: Linux stuff here ....
Message-ID: <20020703214103.GA5545@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

I plead guilty as charged.

Bob, N7XY

Date: Wed, 3 Jul 2002 14:46:01 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129068] Re: batteries
Message-ID: <20020703214601.GB5545@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

The biggest battery setup I ever saw was at an AVCO facility (I think
in Connecticut). They had a huge room filled with 12 volt batteries
and would connect them in series (many kV) to run dielectric breakdown
tests on various materials.

--
Bob Nielsen, N7XY   n7xy@n7xy.net
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

Date: Wed, 3 Jul 2002 17:37:41 -0400
From: "Ronald Hands" <ronald.hands@sympatico.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129069] Re: [OT] Red Hats, Windows, Universes
Message-ID: <003101c222da$98ffa1a0$0164a8c0@p133>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: 7bit

  Perhaps it's worth mentioning that Linux need not be an all-or-nothing
proposition.
  It's a fairly trivial exercise on any modern computer to set up a
dual-boot system, Windows and Linux. That way, one can use Windows for
those programs that still dominate in that environment, and then swing
over to Linux to start clambering up the learning slope.
  I'm dual booting on two systems here: a p133 with a 4.3 gig HD, and a
Pentium 3 at 1 ghz with a 40 gig drive. The p133 is pretty sluggish by
present standards, but quite adequate in WordPerfect 8 and Quicken, etc.
   Linux is remarkably bulletproof on both computers, and it can be
free, or nearly so, for those who want to get their feet wet.
   Either machine can handle net surfing, e-mail, newsgroups without
even breathing hard.

-- Ron VE3SP

Date: Wed, 3 Jul 2002 21:58:09 -0000
From: "WI8W" <wi8w@arrl.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [129070] Thinking of switching to Linux

Message-ID: <062201c222dc$b846ea80$6501a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

I am looking to switch my OS from Windows to Linux. I will be doing that if I can find the following software.

1. Good general loggin program that will accept the ADIF data file from my current logging program which is Logger. I do not want to re-type over 25,000 QSO's into another program.

2. A Contest logging program that will cover all the most popular CW, SSB and RTTY contests. This is a must as this is the activity I do most. Must do ARRL standard output (Cabrillo) for log submission

3. RTTY and PSK software.

I do not want to run any of the Windows emulators under Linux.

Any suggestions welcome direct or on list.

thanks

Thom WI8W

Date: Wed, 3 Jul 2002 17:59:38 -0400
From: "Alverson, Thomas M." <TomA@xetron.com>
To: "'david.gauding@bbs.galilei.com'" <david.gauding@bbs.galilei.com>,
        "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [129071] RE: Single band "Transmatch"
Message-ID: <7D72C1B2F7A3D21191F8006097149AC002D8E2BE@s3.xetron.com>
MIME-Version: 1.0
Content-Type: text/plain

Thanks for the tip. Ocean State Electronics has that book in their catalog but they are closed till Monday. I'll see if I can pick up a copy and check it out.

Tnx es 73 de Tom NU8D

-----Original Message-----
From: David Gauding [mailto:david.gauding@bbs.galilei.com]
Sent: Tuesday, July 02, 2002 8:01 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Single band "Transmatch"

Hello Tom,

There is a small 40M transmatch in Solid State Design, page 166.

It's a T-match with a resistive bridge. It may meet your needs.

de Dave, NF0R nf0r@slacc.com

At 04:48 PM 7/2/02 -0400, you wrote:
>Has anyone experimented with single band antenna tuners?

Date: Wed, 3 Jul 2002 14:54:14 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [129072] oops
Message-ID: <GNEOLGDJDOPEALHJMKLCGEPBCFAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Sometimes I write to blow off steam, never intending to send the letter.

My hammer was one of those articles ... I never intended to send it but I guess I wasn't paying attention when the bell rang ...

So again I apologize. The Linux / Windows thread infuriates me. You might as well just say 'my dad can beat up your dad' as it's the same mentality.

Tracy Markham, N4LGH

Date: Wed, 3 Jul 2002 18:03:25 -0400
From: "Alverson, Thomas M." <TomA@xetron.com>
To: "'NB6M@aol.com'" <NB6M@aol.com>,
        "Alverson, Thomas M." <TomA@xetron.com>,
Subject: [129073] RE: Single band "Transmatch"
Message-ID: <7D72C1B2F7A3D21191F8006097149AC002D8E2BF@s3.xetron.com>
MIME-Version: 1.0
Content-Type: text/plain

The antennas I am considering "matching" are a mobile 40m hamstick (not very good match at resonance), a long chunk of wire (perhaps a half-wave) thrown into a tree, or maybe a coax fed dipole that needs a little help (matching). The Drake circuit may have a little trouble with chunks of wire as it is only supposed to handle up to 5:1 VSWR. I would like to avoid switched or roller inductors (maybe a 2 position switch would be ok). I will get that book and check out that circuit.

Tnx es 73 de Tom NU8D

-----Original Message-----
From: NB6M@aol.com [mailto:NB6M@aol.com]
Sent: Wednesday, July 03, 2002 12:29 AM
To: TomA@xetron.com; qrp-l@Lehigh.EDU
Subject: Re:Single band "Transmatch"

Hi Tom,

I have built and used the 40 Meter transmatch Dave Gauding mentions, from page 166 of "Solid State Design", and it works FB for coax fed antennas or random wire worked against ground. I even loaded up part of an old electric

fence (obviously disconnected from its power source) with it and worked a bunch of stations with one watt out on 40 Meters.

Later, if you wanted, it could be developed into a multi band transmatch by simply putting some taps on the toroid inductor and using a switch to select

them.

If you are contemplating a balanced feeder and antenna, the BLT tuner from NorCal QRP Club is a good one. I haven't checked recently to see if it is still available, but I have built and used that one as well, and had very good results with it. The nice thing about it is that it can be used with either a coax fed dipole or loop, a balanced antenna system, or a random wire
worked against ground. And, when needed, it will tune a twin-lead fed

dipole
or loop on other bands.

Either one of the tuners mentioned includes, and makes good use of, a nice resistive bridge to provide both a true 50 Ohm load for the rig and drive for
either a small meter or an LED indicator while the tuner is adjusted for lowest SWR.

72

Wayne NB6M

Date: Wed, 3 Jul 2002 18:36:55 -0400
From: Haines Brown <brownh@hartford-hwp.com>
To: nielsen@oz.net
Cc: qrp-l@lehigh.edu
Subject: [129074] Re: batteries
Message-ID: <200207032236.g63Mat716968@langhans.hartford-hwp.com>

I missed the message that started the thread in this direction, but can't resist. I once lived in a battery that was enormous. Specifically the after battery on the USS Irex and Becuna submarines. The Irex was the first boat to have the crew attempt a cell removal. The attempt worked out well, but I don't know that it was ever tried again. All sorts of interesting stories having to do with chlorine or with hydrogen. One night I woke up with my right arm under 6" of seawater that was just abvove the battery cells...

Haines KB1GRM

Date: Wed, 03 Jul 2002 17:41:44 -0500
From: "George, W5YR" <w5yr@att.net>
To: ronald.hands@sympatico.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129075] A QRP/QRO Parallel
Message-ID: <3D237DA8.1CD3A8A1@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In reading the various postings that have been made today regarding Linux, et al, I have been made aware of the parallel between the task of getting

folks to switch from Windows to Linux, even partially in a dual-boot situation as Ron mentions below, and the task of getting folks to switch from QRO - probably mostly SSB - to QRP - mostly CW. Or to even "try" QRP . . .

Looking at my own situation here, I have three Windows systems up and running, two on a LAN with a router to a wireless broadband service. I have all the applications that I need and like. Everything is running fine with only the occasional Windows hiccough for which we love it so. I have excellent firewall protection and NAV catches the bad guys. It may be like a ball balanced on the point of a needle, but it all works (somehow!).

Now someone comes along and say "scrap all that and go the minimalist way; simpler OS, no virus problems, . . ., less filling, more taste, etc." "Get all new applications, buy new peripherals if need be, track down Linux drivers, rebuild your systems, etc. etc."

And my instinctive response is "What on Earth for? What could I possibly gain that would balance off the costs of making this change?"

This must be exactly how I sound and how I am heard when I suggest to one of my "conventional" ham buddies to crank back the power level to 5 watts and fire up the key instead of the mic and see what "ham radio is really all about!"

I don't know what to make of this observation, but at least the OT discussion has shown me the difficulty of pushing QRP in a QRO world wherein the convenience of out-of-the-box radios running 100 watts or more with a microphone and no need for CW proficiency are a hard row for the QRPer to hoe.

So, I appreciate this OT discussion. As usual with QRP-L, we get off on "tangents" on occasion but almost invariably I have found that the most mundane OT thread eventually gets back on track and dispenses some information along the way. Another reason that I hope that QRP-L remains an unmoderated list whose members retain their judgement and have the good sense to terminate a thread that is going nowhere or downhill.

Thanks to the Linux supporters I now better understand the quizzical looks I get when suggesting QRP, as in "Are you nuts? You want me to NOT use this wonderful 1500 watt amp and actually pound brass instead of just talking?"

A little good is to be found in everything and everybody.

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735

Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Ronald Hands wrote:
>
>   Perhaps it's worth mentioning that Linux need not be an all-or-nothing
> proposition.

Date: Wed, 3 Jul 2002 15:42:26 -0700
From: Bob Nielsen <nielsen@oz.net>
To: WI8W <wi8w@arrl.net>
Cc: qrp-l@lehigh.edu
Subject: [129076] Re: Thinking of switching to Linux
Message-ID: <20020703224226.GA6081@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Wed, Jul 03, 2002 at 09:58:09PM -0000, WI8W wrote:
> Gang,
>
> I am looking to switch my OS from Windows to Linux. I will be doing that if
> I can find the following software.
>
> 1. Good general loggin program that will accept the ADIF data file from my
> current logging program which is Logger. I do not want to re-type over
> 25,000 QSO's into another program.

I haven't yet used any of the various logging programs, but you might
take a look at Xlog or TWlog. LogConv will convert between a number of
formats, including ADIF.

>
> 2. A Contest logging program that will cover all the most popular CW, SSB
> and RTTY contests. This is a must as this is the activity I do most. Must
> do ARRL standard output (Cabrillo) for log submission

I briefly used TLF during the WPX-SSB contest. It seemed pretty good.
It has a CW keyer, but I haven't tried that yet. I found a few bugs
and the author released a fixed version before the contest was over.
TLF outputs Cabrillo files.

>
> 3. RTTY and PSK software.

There are several of these. A good resource for Linux ham radio

software is http://radio.linux.org.au. It has links to just about all
the available programs, including those I have mentioned. Quite a bit
is also available prepackaged for some of the Linux distributions.
Debian and SuSe seem to have the most ham-oriented stuff (there are
hams involved in the development of both), see <http://www.debian.org>
and <http://www.suse.com>.

Bob, N7XY

Date: Wed, 3 Jul 2002 18:55:19 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129077] antennas
Message-ID: <008a01c222e4$b4afc060$d2af2341@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The "good antennas" Or the "best antennas " are the antennas that receive
or send the signals we want most to hear or get in contact with!!!
  carl / kz5ca

End of QRP-L Digest 2605
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